Polychlorinated Biphenyls (PCBs) Remedial Action Report

Two (2) Exterior Window Systems
Stratfield Elementary School

Silver Petrucelli & Associates

Hamden, Connecticut

June 2011

FUSS & O'NEILL
EnviroScience, LLC

56 Quarry Road
Trumbull, CT 06611

FUSS & O'NEILL
EnviroScience, LLC

July 19, 2011

Ms. Kimberly Tisa
PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, MA 02109-3912

RE: Polychlorinated Biphenyls (PCB) Remedial Action Report
Two (2) Exterior Window Systems
Stratfield Elementary School
1407 Melville Avenue, Fairfield, Connecticut
Fuss & O'Neill EnviroScience Project No. 20072231.A5E

Dear Ms. Tisa:

Enclosed please find the remedial action report for the polychlorinated biphenyls (PCBs) remediation project completed at Stratfield Elementary School. This report encompasses the PCB abatement performed at the school in the summer of 2010 related to the removal of PCB containing caulking compounds from two (2) exterior window systems in the original section of the building

If you have any questions regarding the enclosed report, please do not hesitate to contact us at (203) 374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Matthew A. Myers
Associate

Kevin W. Miller, Ph.D.
President

c: William Silver, Silver Petrucelli & Associates
Gary Trombly, State of Connecticut Department of Environmental Protection
Sal Morabito, Fairfield Public Schools

MM/kg

Enclosure

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1 Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) was retained to provide construction administration services for the Town of Fairfield Public Schools and Silver Petrucelli & Associates Architects related to the remediation of polychlorinated biphenyls (PCBs) at Stratfield Elementary School, 1407 Melville Avenue, Fairfield, Connecticut (Site).

This report has been prepared in accordance with the United States Environmental Protection Agency (USEPA) approved Self Implementing Onsite Cleanup and Disposal Plan (SIP) and with the requirements of Condition 19 of the approval granted by the USEPA for cleanup of PCB-containing and PCB-contaminated materials pursuant to Title 40 of the Federal Regulations (CFR) 761.61 (a) and 761.79 (h), dated July 22, 2010. This report presents data supporting the attainment of the remedial objectives pertaining to the PCB-containing and PCB-contaminated materials for the project.

This remediation project involved the removal of PCB-containing exterior window caulking compounds and PCB-contaminated exterior concrete sills, brick, and window framing from two (2) window systems at the bathrooms located on the main and upper level of the original school building and occurred from August 19, 2010, through August 26, 2010. Additionally, PCB contamination was removed from two (2) window lintels associated with the above mentioned window systems.

The Self Implementing Onsite Cleanup and Disposal Plan (SIP), also referred to as the Notification, was prepared by Fuss & O'Neill EnviroScience. A copy of Notification is provided in *Appendix* A. The General Contractor was Malkin Construction of Stamford, Connecticut. The PCB Remediation Contractor was Cherry Hill Construction Company of North Branford, Connecticut.

1.1 Remedial Action Project Limits

The overall remedial objective was to address PCB-containing exterior window caulking compounds which contained greater than fifty (50) parts per million (ppm) PCBs and PCB-contaminated brick, concrete sills, and window frames. An additional remedial objective was to address PCB-contaminated non-porous steel window lintels.

1.2 Remedial Action Project Objectives

The overall remediation action project objective was to be completed by physically removing from the Site PCB-containing exterior window caulking compounds and PCB-contaminated brick, concrete sills, and window frames. PCB-contaminated non-porous steel window lintels were to be de-contaminated and left in place.

1.3 Remedial Action Approach

The remedial action approach consisted of the removal and off-site disposal of all PCB-containing exterior window caulking compounds and PCB-contaminated brick, concrete sills, and window frames from the two (2) window systems at the bathrooms located on the main and upper level of the original school building that contained PCBs at concentrations in excess of 1 ppm as detailed with the approved SIP. Additional the remedial action approach include de-contamination of the non-porous steel window lintels associated with the two (2) window openings.

1.4 Regulatory Framework

The completed remediation activities were proposed as a voluntary action to address the presence of PCB-containing exterior window caulking compounds and PCB-contaminated brick, concrete sills, and window frames from the two (2) window systems at the bathrooms located on the main and upper level of the original school building, as well as the contaminated non-porous steel lintels. In order to obtain a decision that the remediation of the Site would be considered a final remedy for the contamination, the USEPA was involved with review and approval of the remedial action.

1.4.1 United States Environmental Protection Agency

The USEPA was the lead agency contact for the investigation and remediation of PCBs at the Site. Of interest to the USEPA was that the remediation was conducted in a manner consistent with the Toxic Substances Control Act (TSCA) and more specifically, the provisions of 40 CFR 761 – Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. Pertinent documents issued by the EPA are provided below along with key contacts associated with each.

- *PCB Cleanup and Disposal Approval* pursuant to 40 CFR 761.61 (a) and 761.79 (h), provided on July 22, 2010, in response to the SIP originally submitted on June 29, 2010, including subsequently prepared comment response emails dated July 15, 2010. A copy of the *PCB Cleanup and Disposal Approval* is provided in *Appendix B.*

- The key contact for the above was:

  Kimberly N. Tisa (PCB Coordinator)
  USEPA Region New England
  Five Post Office Square, Suite 100
  Boston, MA 02109
  Telephone (617) 918-1527
  Facsimile (617) 918-0527

2 Background

This section provides a description of the Site. Additionally, this section includes information on the Building Material Characterization Activities at the Site.

2.1 Site Description

Stratfield Elementary School, located at 1407 Melville Avenue in Fairfield, Connecticut, consists of an original building, constructed in 1929, with additions constructed in 1948 and 1972. All three (3) building years consist of a three story structure housing approximately twenty (20) classrooms, an all purpose room, cafeteria, library, offices, and support spaces.

The building structures consist of concrete slab on grade with a mixture of wood and steel truss roof joists supported by brick, structural concrete and block, and steel columns. The exterior of the building is brick. Window systems are aluminum and/or metal and door systems are metal.

2.2 Building Material Characterization Activities

Source material sampling conducted on March 25, 2010, and April 22, 2010, determined that the exterior window caulking compounds associated with two (2) window systems at the bathrooms located on the main and upper level of the original school building contained >50 ppm PCBs.

Adjacent surfaces sampling was performed on June 12, 2010, and determined that the concrete sills associated with two (2) window systems at the bathrooms located on the main and upper level of the original school building contained >1 ppm PCBs.

The asphalt driveway located below the two (2) exterior windows was recently installed following an underground storage tank removal project and therefore was not sampled.

Additional information regarding source and adjacent surfaces characterization sampling be found in the Notification located in *Appendix* A

3 Remediation Activities

This section contains a description of the remediation activities completed at the Site. This sections three sub-sections: (1) pre-remediation activities, (2) remediation activities, and (3) post remediation verification sampling.

3.1 Pre-Remediation Activities

The pre-remediation activities associated with this project are presented in two general categories: (1) approval and approval conditions and (2) construction of remediation containment.

3.1.1 Approval and Approval Conditions

Prior to initiation of the remediation activities at the Site, it was necessary to obtain the approval of the regulatory agency maintaining jurisdiction over the work and as well as meet certain approval conditions. The agency maintaining jurisdiction over the work was the USEPA.

3.1.1.1 United States Environmental Protection Agency

The USEPA required the submission of a SIP to review for consistency with the provisions of 40 CFR 761.61 – Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. The SIP was initially prepared and submitted to the USEPA on June 29, 2010. The notification included a presentation of the Site characterization data, statement of the remedial action objectives, a description of the Site preparations and controls, a description of the Site remedial action procedures, and a description of the Site verification plan for remedial action procedures.

The notification was modified based on email comments received from the USEPA on July 15, 2010. An approval letter, *PCB Cleanup and Disposal Approval,* pertaining to the submitted notification was received from USEPA on July 22, 2010.

Per Condition 9 of the *PCB Cleanup and Disposal Approval,* the Town of Fairfield Public Schools was required to provide written notification of its acceptance of the conditions of the approval to the USEPA. A copy of the acceptance was submitted to the USEPA as required and is provided in *Appendix C, Item A.*

Per Condition 10a of the *PCB Cleanup and Disposal Approval,* the Remediation Contractor was required to provide written notification of its understanding and acceptance of the Notification, and that the Remediation Contractor agreed to abide by the conditions of the approval. A copy of the acceptance was submitted to the USEPA as required is provided in *Appendix C, Item B.*

Per Condition 10b of the *PCB Cleanup and Disposal Approval,* the Analytical Laboratory was required to provide written notification of its understanding and acceptance of the extraction and analytical methods and quality assurance requirements specified in the Notification and conditions of the approval. A copy of the laboratory's acceptance was submitted to the USEPA as required and is provided in *Appendix C, Item C.*

Per Condition 10c of the *PCB Cleanup and Disposal Approval,* the Remediation Contractor was required to submit a work plan detailing the procedures that will be employed for removal of PCB-containing and PCB-contaminated waste and for containment and air monitoring during removal activities. Additionally, this work plan was to include information on waste storage, handling, and disposal for each waste stream type and for equipment decontamination. A copy of the work plan was submitted to the USEPA as required and is provided in *Appendix C, Item D.*

3.1.2 Construction of Remediation Containment

The PCB remediation contractor, Cherry Hill Construction, began constructed of an exterior containment associated with the two (2) window systems at the bathrooms located on the main and upper level of the original school building.

Polyethylene sheeting was installed on the interior side of the two (2) window openings to isolate the interior of the building from the exterior. Wood framing was constructed on the exterior side of the two (2) window openings in which polyethylene sheeting was attached to the wood framing to create the containment along with polyethylene sheeting on the floor. A three (2) stage worker decontamination unit and two (2) stage waste/equipment decontamination unit were attached to the containment along with negative air units.

3.2 Remediation Activities

The remediation activities associated with this project are presented in two categories: (1) PCB Bulk Product Waste and (2) PCB Remediation Waste.

3.2.1 PCB Bulk Product Waste

PCB Bulk Product Waste Materials including PCB caulking compound and PCB Remediation Waste associated with metal non-porous window systems were handled and removed from specified locations for proper disposal. Materials were removed in a manner which did not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools utilized included hand tools and mechanical equipment such as demolition hammers to remove materials from adjacent substrates. Mechanical removal was fitted with HEPA dust collection systems. Dry or brittle caulking compound materials and associated dust and/or debris were removed utilizing HEPA vacuums to minimize dust and debris accumulations. Materials removed were placed in lined containers marked according to 40 CFR 761.40 with markings formatted according to 40 CFR 761.45. The materials were stored for disposal in accordance with 40 CFR 761.65.

The sequence of removal followed the following general requirements:

1. PCB Caulking was removed from all exterior surfaces at window openings (brick and metal lintels) and properly containerized for disposal as PCB Bulk Product Waste.
2. PCB contaminated metal non-porous window frame was removed and containerized for disposal as PCB Remediation Waste > 50 ppm.
3. Surfaces from which PCB caulking has been removed were cleaned with solvent based cleaner and wire brush to remove all visible caulking.

The Uniform Hazardous Waste Manifest is provided in *Appendix E.*

3.2.2 PCB Remediation Waste – Adjacent Building Materials

PCB Remediation Waste Materials include adjacent surfaces such as porous brick and porous concrete sills. Additionally, the paint associated with the non-porous window lintels was included as PCB Remediation Waste. Materials were removed in a manner which did not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools utilized included hand tools and mechanical equipment such as demolition hammers to remove materials from adjacent substrates.

Mechanical removal was fitted with HEPA dust collection systems. Dust and/or debris were removed utilizing HEPA vacuums to minimize dust and debris accumulations. Materials removed were placed in lined containers marked according to 40 CFR 761.40 with markings formatted according to 40 CFR 761.45. The materials were stored for disposal in accordance with 40 CFR 761.65.

The sequence of removal for adjacent brick, concrete sills, and paint on window lintels followed the following general requirements:

1. Porous brick and concrete sills were removed for disposal as PCB Remediation Waste >50 ppm
2. Paint on window lintels was removed for disposal as PCB Remediation Waste >50 ppm
3. Post-remediation verification sampling was conducted in accordance with a modified approach to Sub-part O for porous materials and Sub-part P for non-porous materials.
4. Additional removal of materials containing >1.0 ppm PCBs was performed and additional post-remediation verification sampling as necessary was conducted.

The Uniform Hazardous Waste Manifest is provided in *Appendix E.*

3.3 Post-Remediation Verification Sampling

3.3.1 Bulk Verification Sampling

Bulk verification sampling of porous brick materials was performed utilizing a modified approach to 40 CFR 761.61 Sub-part O. Samples were collected approximately every 1.5 meters in a linear fashion along the brick in lieu of a grid pattern. Results were compared to high occupancy standard for porous surfaces of ≤1 ppm using the extraction method 3540C and analysis method SW846 8082.

The results of the Bulk Verification Sampling are as follows in Table 1:

Table 1 – Bulk Verification Sample Results August 23, 2010

Sample ID	Sample Location	Material Description	Result (mg/kg or ppm)
823JR08	1st Floor Window Opening Bottom Sill – Right Side	Brick	ND <0.33
823JR09	1st Floor Window Opening Bottom Sill – Middle	Brick	1.4 (Aroclor 1254)
823JR10	1st Floor Window Opening Bottom Sill – Left Side	Brick	ND <0.33
823JR11	1st Floor Window Opening Right Jamb – Bottom Portion	Brick	ND <0.33
823JR12	1st Floor Window Opening Right Jamb – Top Portion	Brick	ND <0.33
823JR13	1st Floor Window Opening Left Jamb – Bottom Portion	Brick	0.71 (Aroclor 1254)
823JR14	1st Floor Window Opening Left Jamb – Top Portion	Brick	0.4 (Aroclor 1254)
823JR15	1st Floor Window Opening Top Header – Left Side	Brick	ND <0.33
823JR16	1st Floor Window Opening Top Header – Middle	Brick	ND <0.33
823JR17	1st Floor Window Opening Top Header – Right Side	Brick	ND <0.33
823JR18	2nd Floor Window Opening Bottom Sill – Right Side	Brick	ND <0.33
823JR19	2nd Floor Window Opening Bottom Sill – Middle	Brick	ND <0.33
823JR20	2nd Floor Window Opening Bottom Sill – Left Side	Brick	ND <0.33
823JR21	2nd Floor Window Opening – Left Jamb – Bottom Portion	Brick	ND <0.33
823JR22	2nd Floor Window Opening – Left Jamb – Top Portion	Brick	ND <0.33
823JR23	2nd Floor Window Opening – Right Jamb – Bottom Portion	Brick	ND <0.33
823JR24	2nd Floor Window Opening – Right Jamb – Top Portion	Brick	ND <0.33
823JR25	2nd Floor Window Opening – Top Header – Right Side	Brick	ND <0.33
823JR26	2nd Floor Window Opening – Top Header – Middle Side	Brick	ND <0.33
823JR27	2nd Floor Window Opening – Top Header – Left Side	Brick	ND <0.33

The results of the additional Bulk Verification Sampling are as follows in Table 2:

Table 2 – Bulk Verification Sample Results August 26, 2010

Sample ID	Sample Location	Material Description	Result (mg/kg or ppm)
826JR01	1st Floor Window Opening Bottom Sill – Middle	Brick	ND

The analytical reports for the Bulk Verification Sampling are provided in *Appendix D, Item A.*

3.3.2 Wipe Verification Sampling

Wipe verification sampling of non-porous steel lintels was performed utilizing a modified approach to 40 CFR 761.61 Sub-part P. Samples were collected approximately every meter in a linear fashion along the steel lintels in lieu of a grid pattern. Results were compared to high occupancy standard for non-porous surfaces of $\leq$ 10ug/100cm^2 using extraction method 3540C and analysis method SW846 8082.

The results of the Wipe Verification Sampling are as follows in Table 3:

Table 3 – Wipe Verification Sample Results August 23, 2010

Sample ID	Sample Location	Material Description	Result (ug/100cm^2)
823JR01	2nd Floor Window Opening – Right Side of Lintel	Steel Lintel	ND <1.0
823JR02	2nd Floor Window Opening – Middle of Lintel		2.6 (Aroclor 1254)
823JR03	2nd Floor Window Opening – Left Side of Lintel		3.1 (Aroclor 1254)
823JR04	1st Floor Window Opening – Left Side of Lintel		6.1 (Aroclor 1254)
823JR05	1st Floor Window Opening – Middle of Lintel		5.9 (Aroclor 1254)
823JR06	1st Floor Window Opening – Right Side of Lintel		5.2 (Aroclor 1254)
823JR07	Blank	Wipe	ND <1.0

The analytical reports for the Wipe Verification Sampling are provided in *Appendix D, Item B.*

Report prepared by Environmental Technician II, Kristopher Girton

Reviewed by:

Matthew A. Myers
Associate

Kevin W. Miller, Ph.D.
President

FUSS & O'NEILL
EnviroScience, LLC

Appendix A

Self Implementing On-Site Cleanup and Disposal Plan (Notification)

Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Compound Removal

Stratfield Elementary School
1407 Melville Avenue
Fairfield, CT

Fairfield Public Schools
Fairfield, CT

June 2010

FUSS & O'NEILL
Disciplines to Deliver

Fuss & O'Neill EnviroScience, LLC
56 Quarry Road
Trumbull, CT 06611

Project No. 20072231.A5E

FUSS & O'NEILL
EnviroScience, LLC

Disciplines to Deliver

June 29, 2010

Ms. Kimberly Tisa
PCB Coordinator
U.S. Environmental Protection Agency
One Congress Street, Suite 1100 (CPT)
Boston, MA 02114-2-23

RE: Self Implementing On Site Cleanup and Disposal Plan
Stratfield Elementary School, Fairfield, CT
Fuss & O'Neill Project No. 20072231.A5E

Dear Ms. Tisa:

We are submitting this work plan in accordance with the notification requirements for a Self Implementing On-Site Cleanup and Disposal plan for PCB caulking compounds at the above referenced site. The plan has been prepared and submitted in accordance with requirements of 40 CFR Part 761.61(a)(3).

Thank you for your attention to this matter and if you have any questions with regard to the plan please contact the undersigned, Matthew Myers at (800) 286-2469 x 3515.

Sincerely,

Matthew Myers
Associate

Kevin W. Miller, Ph.D.
President

MAM:nw

c: Ms. Laurie Saliby, CT Department of Environmental Protection

Enclosure: Self Implementing On Site Cleanup and Disposal Plan

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Table of Contents

Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal Stratfield Elementary School

1 Introduction

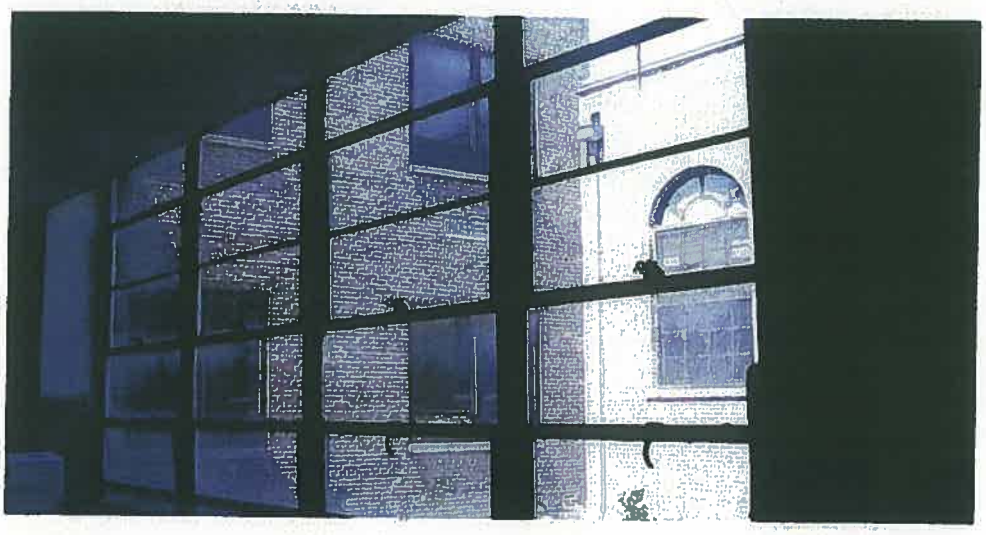
This plan has been prepared by Fuss & O'Neill EnviroScience, LLC (EnviroScience) on behalf of the Fairfield Public Schools located at 1407 Melville Avenue in Fairfield, Connecticut 06611. The plan has been prepared to comply with the U.S. Environmental Protection Agency (USEPA) requirements for notification of a Self-Implementing On-Site Cleanup and Disposal Plan (SIDP) in accordance with 40 CFR Part 761.61(a)(3). Exterior window/lintel caulking compounds associated with existing window systems (two windows that have caulking compounds applied between the upper metal lintel and brick – appears to have been applied after original window installation in order to fill spacing that developed between the brick and lintel) have been determined to contain polychlorinated biphenyl (PCB) above regulated concentrations at the Stratfield Elementary School located at 1407 Melville Avenue in Fairfield, CT. The building is to be substantially renovated in the summer of 2010 with proposed construction of new additions. The locations where regulated PCB materials are present will require removal as part of the renovation of the existing building. A Site Location Map identifying the building location is included in Figure 1-1.

1.1 Background

The existing Stratfield Elementary School was constructed in 1929 with additions in 1948 and 1972 and consists of a three story structure. The building consists of 20 classrooms, all purpose room, cafeteria, library, offices and support spaces. The building structure includes concrete slab on grade with a mixture of wood and steel truss roof joists supported by brick, structural concrete and block and steel columns. The exterior of the building is brick. Window systems are aluminum/metal and exterior door systems are metal. Building photographs are shown below.

Front Elevation – Original 1929 Building

Side Elevation – 1948 Wing



Interior Courtyard

Rear Elevation – 1948 Wing

Rear Elevation - Original 1929 Building

Rear Elevation - Original 1929 Building – Close Up of Two Windows Requiring Abatement

Side Elevation – 1972 Wing

1.2 Project Objectives

This SIDP is for the removal of polychlorinated biphenyl PCB containing materials with equal to or greater than 50 parts per million (ppm) PCB as Bulk Product Waste, and the Removal of adjacent surface materials as PCB Remediation Waste including PCB contaminated concrete window sills. Steel structural components to remain such as window lintels shall be cleaned to

meet required visual standards and wipe sampling criteria for high occupancy use. Materials containing PCB equal to or greater than (≥) 50 ppm include exterior window/steel lintel caulking compounds associated with two windows located on the original building in the rear of the building. Adjacent surfaces also contain PCB at levels >1 ppm in the associated concrete sills. Metal surfaces to be cleaned of PCB caulking and remain include structural steel lintels.

Exterior window, lintel, door and vent caulking materials and window glazing materials have been determined to not contain PCB in the interior courtyard, original 1929 building, 1948 and 1972 wings. The brick adjacent to the >50 ppm PCB caulking compounds was found not to contain PCB.

The objective of the project is to remove PCB caulking as Bulk Product Waste containing PCB ≥ 50 ppm from two window locations. Adjacent porous surfaces containing PCB shall be removed as Bulk PCB Remediation Waste to meet the unrestricted use clean-up standard of PCB ≤1ppm for high occupancy use structure including porous concrete sills at two locations. Non-porous surfaces shall be cleaned to standard of ≤10 ug/100cm^2. The overall project objective is to remove PCB materials to facilitate renovation of the building in accordance with proposed construction plans as a high occupancy use upon completing the PCB SIDP work.

1.3 Plan Organization

This SIDP has been organized into the following sections:

Section 2: Site Characterization

The site characterization section provides a summary of the sampling performed to delineate the nature and extent of PCB as required in accordance with 40 CFR Part 761.61 (a)(3) (A-C). The section includes the nature of the contamination including kinds of materials; a summary of the procedures used to sample contaminated and adjacent surfaces; and the location and extent of the identified contaminated areas.

Section 3: Remediation Plan

The remediation plan includes a discussion of how the remedial objectives identified in Section 1.2 shall be met and the remediation approach, cleanup levels to be met and the verification sampling approach to be utilized. This section includes diagrams depicting the areas of proposed remediation work and location for post-remediation verification sampling. The remediation plan is submitted in accordance with 40 CFR Part 761.61 (a)(3)(D).

Section 4: Schedule and Certification

The proposed schedule for implementation and reporting schedule is provided. This section includes the written certification signed by the Owner of the property and other responsible parties responsible for the remediation, cleanup and disposal in accordance with 40 CFR Part 761.61 (a)(3)(E).

2 Site Characterization

This section provides a summary of the sampling performed to delineate the nature and extent of PCB as required in accordance with 40 CFR Part 761.61 (a)(3) (A-C). The section includes the nature of the contamination including kinds of materials; a summary of the procedures used to sample contaminated and adjacent surfaces; and the location and extent of the identified contaminated areas.

The following sections describe the selection of sample locations, sample collection methods, and the results of the characterization data. Sampling was performed with the initial site characterization of source materials such as caulking materials and testing of adjacent surfaces by Fuss & O'Neill EnviroScience, LLC (EnviroScience) of Trumbull, CT. Figures depicting the locations of all samples collected by EnviroScience are included in Figures 2-1, and 2-2 respectively.

2.1 Sample Collection and Analysis

PHASE 1 – SOURCE MATERIAL SAMPLING

Testing of source materials was conducted by EnviroScience representatives, Matthew Myers and Kevin McCarthy. Samples were collected prior to renovation activities in accordance with USEPA requirements. The sampling was performed on multiple occasions including the following:

March 25, 2010 – 4 samples
April 22, 2010 – 3 samples

Bulk Sampling

Sampling involved removal of bulk product materials (source materials) such as caulking and glazing compounds using hand tools to submit in bulk form to determine PCB content Tools utilized to collect samples were disposable items and discarded after each individual sample was collected to avoid cross contamination of samples. Each sample was placed in containers, labeled and delivered to laboratory using proper chain of custody. Samples were analyzed at Phoenix Laboratories, Inc located in Manchester, CT. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

The sample numbers, locations, material description and analysis results are included in Table 2.1. Refer to Figure 2-1 and 2-2 for drawings identifying locations of collected samples.

PHASE 2 – ADJACENT SURFACE SAMPLING

Sampling of adjacent surfaces was conducted by EnviroScience on June 12, 2010. Sampling was performed on a Saturday when students and faculty were not present. Samples were collected by EnviroScience representative Kevin McCarthy. All samples collected were transmitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

The source material is on two rear windows/lintels. Two (2) adjacent porous surfaces were sampled, the brick abutting the caulking/lintel and the concrete sill below the caulking/lintel.

Bulk Sampling – Porous Surfaces

EnviroScience conducted sampling of masonry in accordance with EPA "Draft Standard Operating Procedures for Sampling Concrete in Field" (dated December 30, 1997). Sampling involved first complete removal of bulk product materials (source materials) at sampling locations using hand tools. Intent was to ensure complete removal of source material prior to sampling adjacent surfaces. Once removal of all visible source material was performed the porous surfaces were cleaned using solvent and a wire brush and surface was rinsed with distilled water. The adjacent porous surfaces included exterior brick and concrete sill. Porous surfaces were sampled using a mechanical hammer drill to obtain samples at depths of 0 to 0.5 inch depth where possible based on material matrix. The bulk materials were analyzed for PCB content from each cross section. Tools utilized to collect samples were cleaned using hexane wash series including soapy water, distilled clean water and hexane between sampling. Each sample was placed in 4 ounce glass jars, labeled and delivered to laboratory using proper chain of custody.

The sample numbers, locations, material description and analysis results are included in Table 2.2. Refer to Figure 2-2 for drawing identifying locations of collected samples.

The asphalt driveway located below the windows was installed recently in conjunction with an underground storage tank removal project so the pavement was not sampled for PCB content.

2.2 Sample Analysis Results

The following tables summarize the specific sampling locations of collected samples and results of PCB analysis. The analytical method for analysis included extraction method 3540C (Soxhlet Extraction) and analysis method SW846 8082. The laboratory results and chain of custody are included in Appendices.

2.2.1 Source Material Sample Analysis Results

The analysis results of all collected caulking and glazing compound materials are summarized in Table 2.1. Note results in bold contain PCBs at 50 ppm or greater.

Results of sampling indicate one sample was identified as containing PCB $\geq$ 50 ppm associated with the 1929 portion of the structure – two windows with caulking applied to an opening between the brick and upper lintels. Caulking compound materials containing PCB $\geq$50ppm are listed in the following table.

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
03	Exterior, Rear off Corridors – 1929 Construction	Window/Lintel Caulking Compound	97 ppm (Aroclor 1254)

Laboratory analysis results and chain of custody are included in *Appendix A* for source materials.

No source materials containing <50 ppm PCB were identified.

2.2.2 Adjacent Porous Materials Sample Analysis Results

The analysis results of adjacent porous materials are summarized in Table 2.2. Note results in bold contain PCBs at greater than 1 ppm.

The results indicate the presence of PCB >1 ppm for samples of adjacent porous surfaces including the following:

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
02	Rear of the 1929 Building - Corridor	Core sample of concrete sill to a depth of ½ inch	12 (Aroclor 1254 and 1260 mixture)

Note sampling was limited to maximum depth of ½ inch. Laboratory analysis results and chain of custody are included in *Appendix B* for Adjacent porous material bulk samples.

2.2.3 Adjacent Non-Porous Materials Sample Analysis Results

No samples were collected of Non-porous materials such as steel lintels. The project intent shall be to presume the surfaces are contaminated at concentrations exceeding standard of ≤10 ug/100cm^2. Surfaces are in contact with source materials containing PCBs ≥ 50 ppm.

Table 2.1
Source Materials Analysis Results Summary

DATE COLLECTED	SAMPLE NO.	BUILDING	LOCATION	MATERIAL DESCRIPTION	RESULTS (PPM)
3-25-2010	01	1948 Addition	Interior Courtyard	Exterior Window Caulking Compound	None Detected
3-25-2010	02	1948 Addition	Interior Courtyard	Exterior Window Glazing Compound	None Detected
3-25-2010	**03**	**1929 Construction**	**Rear of Building – Off Corridor**	**Exterior Window/Lintel Caulking Compound**	**97 ppm (Aroclor 1254)**
3-25-2010	04	1929 Construction	Rear of Building – Off Kitchen Corridor	Exterior Door Caulking Compound	None Detected
4-22-2010	01	1948 Addition	Classrooms	Exterior Window Caulking Compound	None Detected
4-22-2010	02	1948 Addition	Classrooms	Exterior Vent Caulking Compound	None Detected
4-22-2010	03	1972 Addition	Library	Exterior Door/Expansion Joint Caulking Compound	None Detected

Table 2.2
Adjacent Porous Materials Sample Analysis Results Summary

DATE COLLECTED	SAMPLE NO.	BUILDING	LOCATION	MATERIAL DESCRIPTION	RESULTS (PPM)
06-12-2010	01	1929 Construction	Rear of the Building - Corridor	Core sample of brick abutting caulk/metal lintel to a depth of ½ inch	None Detected
06-12-2010	**02**	**1929 Construction**	**Rear of the Building - Corridor**	**Core sample of concrete sill below caulk to a depth of ½ inch**	**12 ppm (Aroclor 1254 and 1260 mixture)**

3 Remediation Plan

The work described in this SIDP shall meet the objectives identified in section 1.2 Project Objectives in accordance with 40 CFR Part 761. The remediation work shall be performed to ensure compliance with EPA Toxic Substance Control Act (TSCA) requirements and protect both public health and the environment. Materials classified as PCB Bulk Product Waste and Bulk PCB Remediation Waste shall be properly disposed in compliance with federal and state regulatory requirements. Refer to Figure 3-1 for locations requiring PCB abatement. These same caulking materials also contain asbestos therefore the waste will be a mixture of PCB and asbestos waste.

The proposed abatement activities to be performed by Remediation Contractor shall include the following:

1. Site preparation and controls to facilitate remediation of PCBs.
2. Health and Safety in accordance with Occupation Safety and Health Administration (OSHA) requirements.
3. Recordkeeping and distribution as required in accordance with 40 CFR part 761.125 (c)(5).

PCB ABATEMENT REQUIRMENTS

PCB Bulk Product Waste Removal

PCB-01 – Remove existing exterior window caulking compounds from brick/lintel surfaces above/around window openings for disposal as PCB Bulk Product Waste. Note caulking also contains asbestos. The work is to be performed on two windows in the rear of the 1929 building (off the corridors).

Bulk PCB Remediation Waste Removal

PCB-02 – Remove the existing exterior porous concrete window sills at window opening and the underlying surfaces must be less than 1 ppm PCB. The sills should be removed in their entirety for disposal as Bulk PCB Remediation Waste.

Remediation activities to be performed by others shall include the following:

1. Monitoring remediation activities as Owner's representative shall be performed by firm to be named.
2. Collection of verification samples in accordance with Sup-parts P and O in accordance with 40 CRF Part 761 for PCB analysis shall be performed by Owner's Representative to be named.
3. Removal and off-site disposal of non-PCB caulking materials as well as asbestos shall be performed by others.
4. Building renovation and site restoration shall be performed by Owner's general trade's contractor under separate contract following PCB remediation.

Prior to abatement and remediation activities, site preparation and controls shall be established. PCB Bulk Product Waste and Bulk PCB Remediation Waste will be removed and transported off-site for disposal at a permitted hazardous waste landfill which is an EPA, TSCA approved facility for PCB waste ≥50 ppm. Materials containing <50 ppm will be transported to a non-hazardous solid waste disposal facility. PCB Bulk Product Waste shall be removed and properly disposed in accordance with 40 CFR Part 761.62. Bulk PCB Remediation Waste shall be removed in accordance with Self-Implementing On-Site Cleanup and Disposal requirements in accordance with 40 CFR Part 761.61.

3.1 Site Preparation and Controls

The work shall be performed in accordance with the attached performance based technical specification section included in *Appendix C.* Prior to initiating PCB Removal the following site controls will be implemented.

- Remediation Contractor shall prepare a site specific work plan as detailed in specification section attached.

- Remediation Contractor shall prepare a Health & Safety Plan (HASP) developed specific to the site and work activities to be performed. All workers shall follow applicable federal and state regulation with regard to work activities, including but not limited to OSHA regulation including personal protection and respiratory protection requirements.

- During all remediation activities, Remediation Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment and as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.

- Work zones shall be established in accordance with technical specification to include abatement zone, decontamination zone and support zone.

- Ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB contamination shall be utilized. Protection shall include the use of water impervious membrane covering which shall be secured to the ground surface. Edges shall be raised to prevent water run-off used for dust control during cutting and demolition of structures. The membrane shall be covered with a single layer of 6-mil polyethylene sheeting securely fastened to foundation. Refer to technical specification section for requirements.

- Isolation barriers shall be installed on interior side of two window systems where abatement work is to be performed to isolate these systems to the building exterior where work shall occur. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the inside finish surfaces of walls to isolate window or door systems to the building exterior. To minimize dust and debris the contractor shall utilize negative pressure containments with the use of negative air filtration units with HEPA filtration at location of two windows where abatement will occur on the exterior side of windows. Refer to technical specification section for requirements.

- Isolation barriers shall be installed on exterior side adjacent window and door systems within 25 feet of abatement to contain these systems where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the exterior side finish surfaces to contain window or door systems. Refer to technical specification section for requirements.

- All other openings to the building interior such as unit ventilation, ducts, and grilles shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior within 25 feet of abatement work. Refer to technical specification section for requirements.

- Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB Bulk Product Waste removal and Bulk PCB Remediation Waste removal. All debris generated during operations including but not limited to visible caulking, dust and debris shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.

- It is anticipated that to facilitate the work movable staging or lifts will be utilized to access window systems. Wind screens consisting of 6-mil polyethylene sheeting shall be applied to staging or lift to prevent dispersal of dust and debris beyond the abatement zone. Platforms shall also be protected as appropriate to facilitate cleaning of dust and debris but not introduce trip or slip hazards.

- All equipment utilized to perform cutting, or demolition of adjacent materials shall be equipped with appropriate dust collection systems.

- All surfaces adjacent to materials removed shall be properly decontaminated upon completing the removal of PCB Bulk Product Waste and Bulk PCB Remediation Wastes. The work to cut and remove Bulk PCB Remediation Waste will result in dust on surfaces to remain and this dust may contain PCBs. All visible dust shall be removed using HEPA vacuums and wet cleaning methods with solvent or other acceptable products.

- Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part 761.45.

3.2 Removal Procedures

The following removal procedures shall be utilized to conduct PCB Bulk Product Waste and Bulk PCB Remediation Waste removal.

3.2.1 PCB Bulk Product Waste Materials

PCB Bulk Product Waste Materials including PCB caulking compound and Bulk PCB Remediation Waste associated with metal non-porous window systems (if it can't be cleaned) shall be handled and removed from specified locations for proper disposal. Materials shall be

removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with dust collection systems. Any dry or brittle caulking compound materials or other PCB Bulk Product waste shall be removed with additional engineering controls such as use of a HEPA vacuum to remove accumulated dust or debris during removal. Once removed, materials shall be placed in lined containers or into appropriate temporary containers such as 6-mil polyethylene disposal bags for controlled transport to PCB waste containers at the end of each work shift. PCB Bulk Product Waste shall be stored for disposal in accordance with 40 CFR Part 761.40 and 761.65. All waste containers shall be appropriately labeled in accordance with 40 CFR Part 761.45. Sequence of removal shall follow the following general requirements:

1. PCB Caulking shall be removed from all exterior surfaces at window openings (brick and metal lintels) and properly containerized for disposal as PCB Bulk Product Waste. Surfaces from which PCB caulking has been removed shall be cleaned with solvent based cleaner and wire brush to remove all visible caulking prior to proceeding with removal of PCB Remediation Waste. Please note caulking also contains asbestos.

3.2.2 Bulk PCB Remediation Waste – Adjacent Building Materials

Bulk PCB Remediation Waste Materials include adjacent surfaces such as porous concrete sills. Additionally, steel window lintels adjacent to PCB caulking may have to be removed as Bulk PCB Remediation waste. The primary waste resulting from removal of adjacent surfaces will be PCB contaminated dust and debris from cutting, and removal of surfaces. Waste shall be immediately containerized in temporary 6-mil polyethylene disposal bags for disposal. These containers shall be sealed in abatement zone when full during collection and then placed in disposal containers/storage trailers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions. No dry sweeping, dusting or blowing shall be allowed.

The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB remediation waste show evidence of free liquid water, pooling or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and disposed of as PCB Liquid Waste in accordance with 40 CFR Part 761.61 (a). All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with 40 CFR Part 761.61(a)(5)(v)(A). All waste containers shall be appropriately labeled in accordance with 40 CFR Part 761.45. Sequence of removal shall follow the following general requirements:

1. Steel window lintels to remain shall be stripped of all paint and surface ground smooth or sand blasted to meet Visual Standard No. 2, Near-White Blast Cleaned Surface Finish, of the National Association of Corrosion Engineers (NACE) due to the presence of rust, mill scale and porous paint on surface.
2. Testing has confirmed PCB >1ppm at a depth of at least 1/2 inch on the concrete sills. Exterior concrete sills shall be removed completely and disposed as Bulk PCB Remediation Waste. Removal shall be performed using mechanical tools equipped with dust controls as specified below:

a. Exterior sill shall be removed and the underlying material must contain less than one ppm PCB. All removed material shall be disposed of as Bulk PCB Remediation Waste.

3. Once materials have been removed and surfaces cleaned Owner's Representative, to be named, shall be notified. Post testing verification sampling shall be performed once visually inspected to verify removal and cleaning.

3.3 Verification Sampling Plan

Following the completion of the Bulk PCB Remediation Waste removal Owner's Representative, to be named, shall implement the following verification sampling plan in accordance with 40 CFR Part 761.61 (6) and to the extent applicable Sub-part O and P.

Upon completion of work in each area, a visual inspection of all remediated surfaces for visible evidence of dust and debris shall be performed. Surfaces shall also be inspected for visible PCB source materials that may not have been removed. The visual inspection shall provide in a preliminary way, verification that remediation work has been completed in accordance with this SIPD. Visual inspection shall ensure no visible dust or debris is present on adjacent surfaces where caulking was removed and adjacent surface cutting is completed. In addition to the remediation surfaces the surfaces of protective coverings and isolation barriers shall be inspected to ensure they are cleaned of dust and debris. No sampling shall be performed until the visual inspection is complete and the clearance criteria satisfied in each work area. The project shall be phased in accordance with proposed construction schedule. .

3.3.1 Porous Concrete Sill Surfaces

Concrete sill surfaces shall be evaluated to verify that removal of Bulk PCB Remediation Waste has resulted in surfaces with $\leq$1 ppm for unrestricted use based on high occupancy use of the structure. Owner's Representative, to be named, shall follow the EPA "Draft Standard Operating Procedures for Sampling Concrete in Field" (dated December 30, 1997), to collect verification samples. The areas to be sampled shall be representative of the variety of conditions identified. Appropriate control samples shall also be collected.

The locations of samples shall be based on visual inspection results. Locations requiring sample verification shall be limited to horizontal sill surfaces. The surfaces to be verified are irregular shaped and the requirements for sample location and quantity as detailed in Sub-part O shall be applied in a linear fashion in lieu of a grid pattern. Sampling shall be conducted in accordance with the following protocol:
Window sills – Three chip samples shall be collected from the underlying material after the sills have been removed. The sill has a linear length of not more than 12 linear feet.

A total of 6 samples for verification shall be collected along with 1 duplicate sample. The laboratory shall be an accredited laboratory for PCB analysis. The analysis method shall include extraction using EPA Method 3540C (Soxhlet Extraction) and analysis method SW846 8082.

Results of analysis shall be compared to the clearance objective which for unrestricted use shall be $\leq$1 ppm. If any location exceeds this clearance objective, additional removal will be conducted.

3.3.2 Non-Porous Steel Surfaces

If steel lintels are to remain, and the cleaned surface does not meet the Visual Standard No. 2, Near-White Blast Cleaned Surface Finish, of NACE, then wipe samples shall be collected from the surfaces in accordance with Sub-part P of 40 CFR Part 761 as an alternative verification of cleaning once at a minimum paint is removed and surface is smooth.

Wipe sampling of non-porous steel lintels shall be performed in accordance with Sub-part P and compared to high occupancy standard for non-porous surfaces of $\leq$10 ug/100cm^2.

4 Schedule and Plan Certification

It is the intent of the Owner (Fairfield Public Schools) to begin the removal of PCB Bulk Product Materials and Bulk PCB Remediation Waste during proposed construction in July 2010 completing all work in August of 2010 in accordance with this plan. It is anticipated that the work shall be performed as expeditiously as possible including removal of PCB Bulk Product Waste followed by the removal of Bulk PCB Remediation Waste from adjacent surfaces. Upon competing the Bulk PCB Remediation Waste removal and verification sampling confirming the Project Objectives are met, the renovation project shall commence. It shall be required that removal of PCB Bulk Product Waste and Bulk PCB Remediation Waste occurs prior to any disturbance as a result of planed renovation work. **Additionally, No PCB Abatement work shall be performed while school is in session. Any PCB Abatement work shall be coordinated and scheduled during school vacation.**

The Owner hereby certifies that all the sampling plans, sample collection procedures, sample preparation procedures, extraction procedures and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the School and available for EPA inspection.

Alfred Kelley (Chairman SBC) June 29, 2010
Owner's Representative — Date

_____, Business Manager

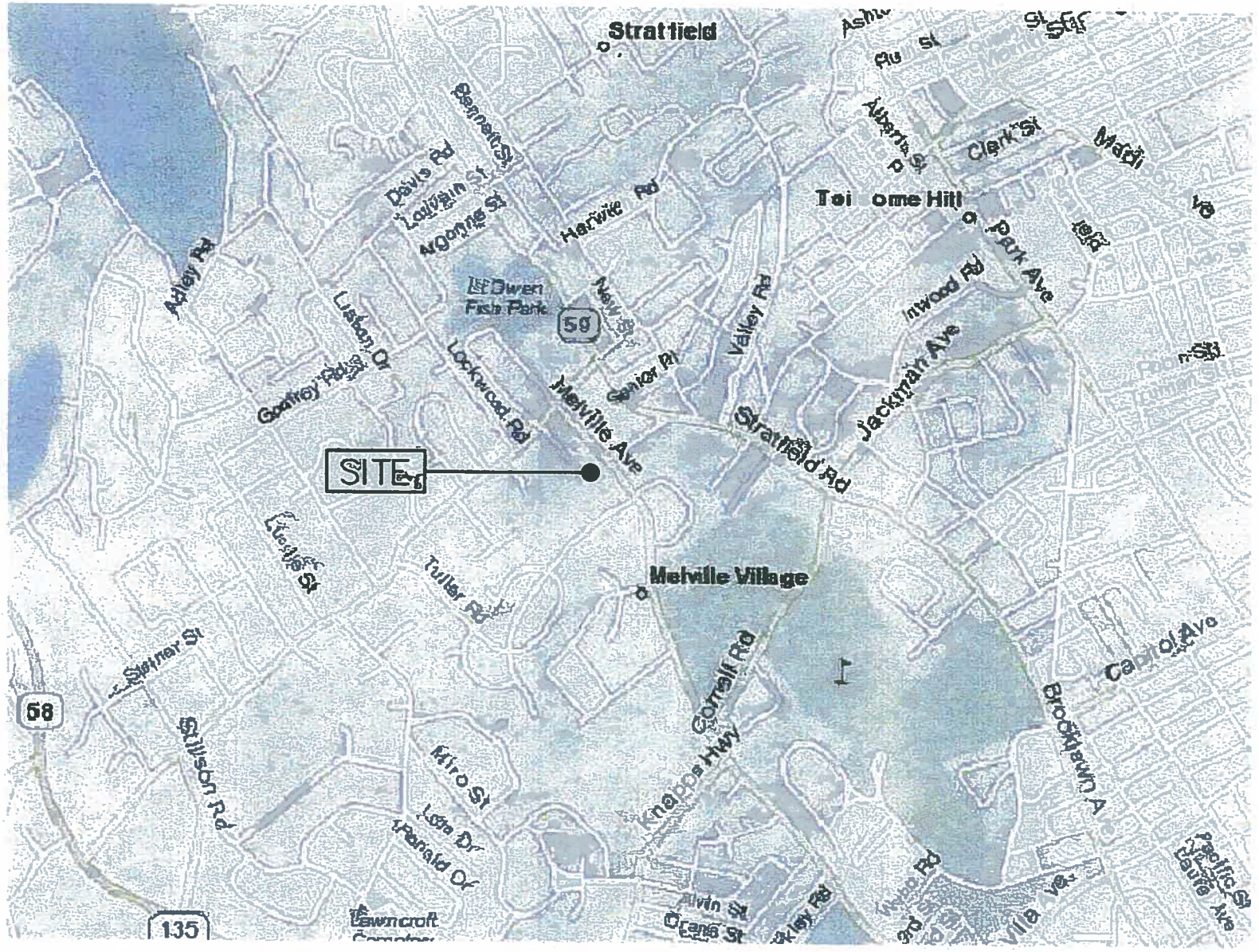
June 29, 2010
Fuss & O'Neill EnviroScience, LLC Representative — Date
Matthew Myers
Associate

_____ _____
Remediation Contractor Representative — Date

To be determined

FUSS & O'NEILL

Figures



SCALE: HORZ.: N.T.S. VERT.: DATUM: HORZ.: VERT.: 0 GRAPHIC SCALE	www.FandO.com FUSS & O'NEILL ENVIROSCIENCE, LLC 56 QUARRY RD TRUMBULL, CT 06611 203.374.3748	STRAIFIELD ELEMENTARY SCHOOL SITE LOCATION MAP 1407 MELVILLE AVENUE FAIRFIELD CONNECTICUT	PROJ. No.: 20072231.A5E DATE: 6/28/2010 FIGURE 1-1

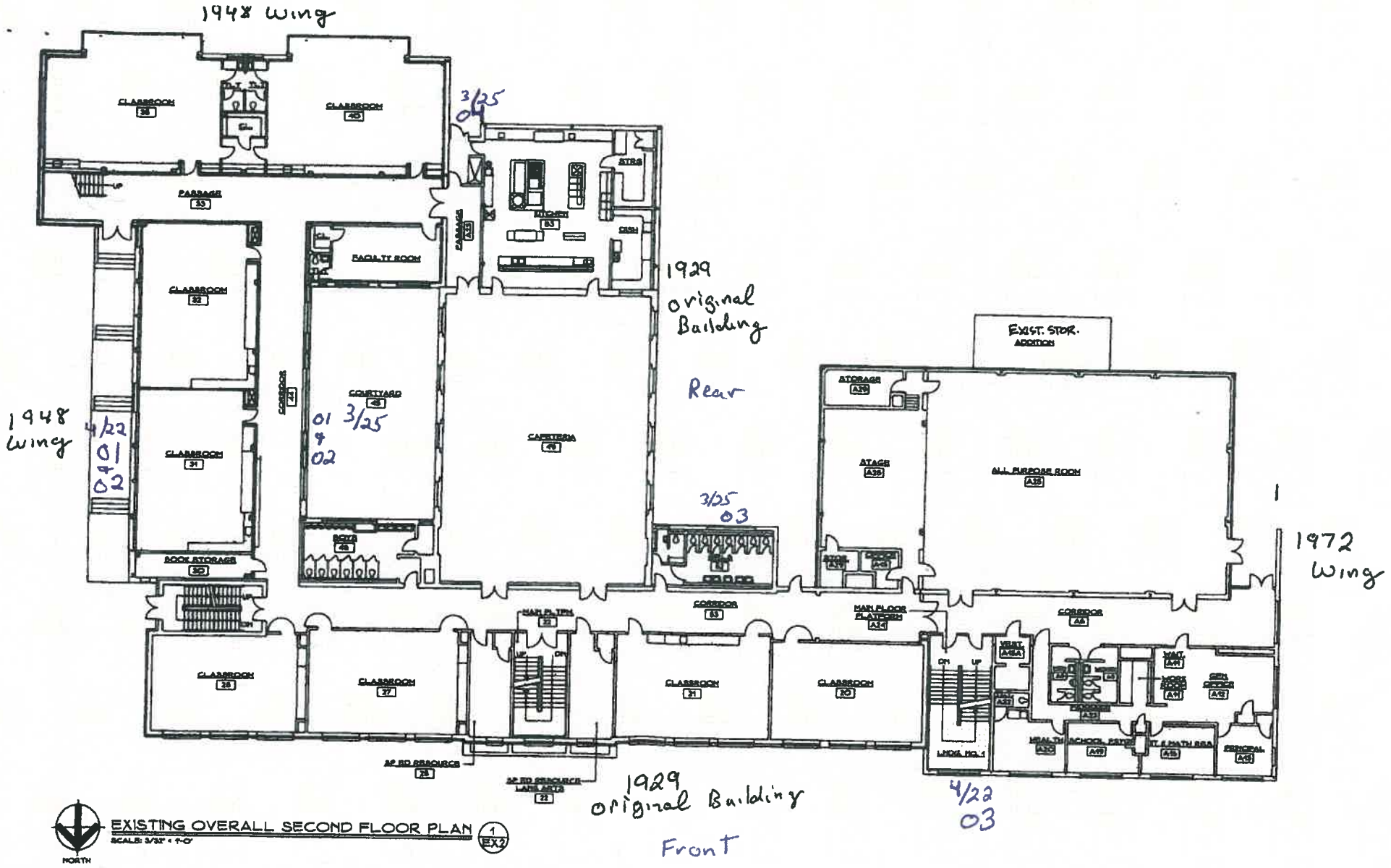

1948 wing
1948 wing
4/22 01 & 02
3/25 04
3/25 01 & 02
3/25 03
1929 original Building
Rear
1929 original Building
Front
4/22 03
1972 wing
EXIST. STOR. ADDITION
CLASSROOM 36
CLASSROOM 35
PASSAGE 33
CLASSROOM 32
CLASSROOM 31
BOOK STORAGE 30
FACULTY ROOM
COURTYARD 45
CAFETERIA 49
KITCHEN 53
STRG
DISH
PASSAGE 33
CORRIDOR 22
BOOKS 46
STORAGE A39
ATAGE A39
ALL PURPOSE ROOM A38
CORRIDOR 63
MAIN FLOOR PLATFORM A14
CORRIDOR A6
CLASSROOM 28
CLASSROOM 27
CLASSROOM 21
CLASSROOM 20
MAIN PLATFORM 22
UP
DN
SP ED RESOURCE 28
SP ED RESOURCE LANG. ARTS 22
LINDE NO. 1
HEALTH A20
SCHOOL SECR. A49
ST. & MATH A15
PRINCIPAL A16
WAIT. A44
GEN. OFFICE A43
NORTH
EXISTING OVERALL SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"
1 EX2

Figure 2-1

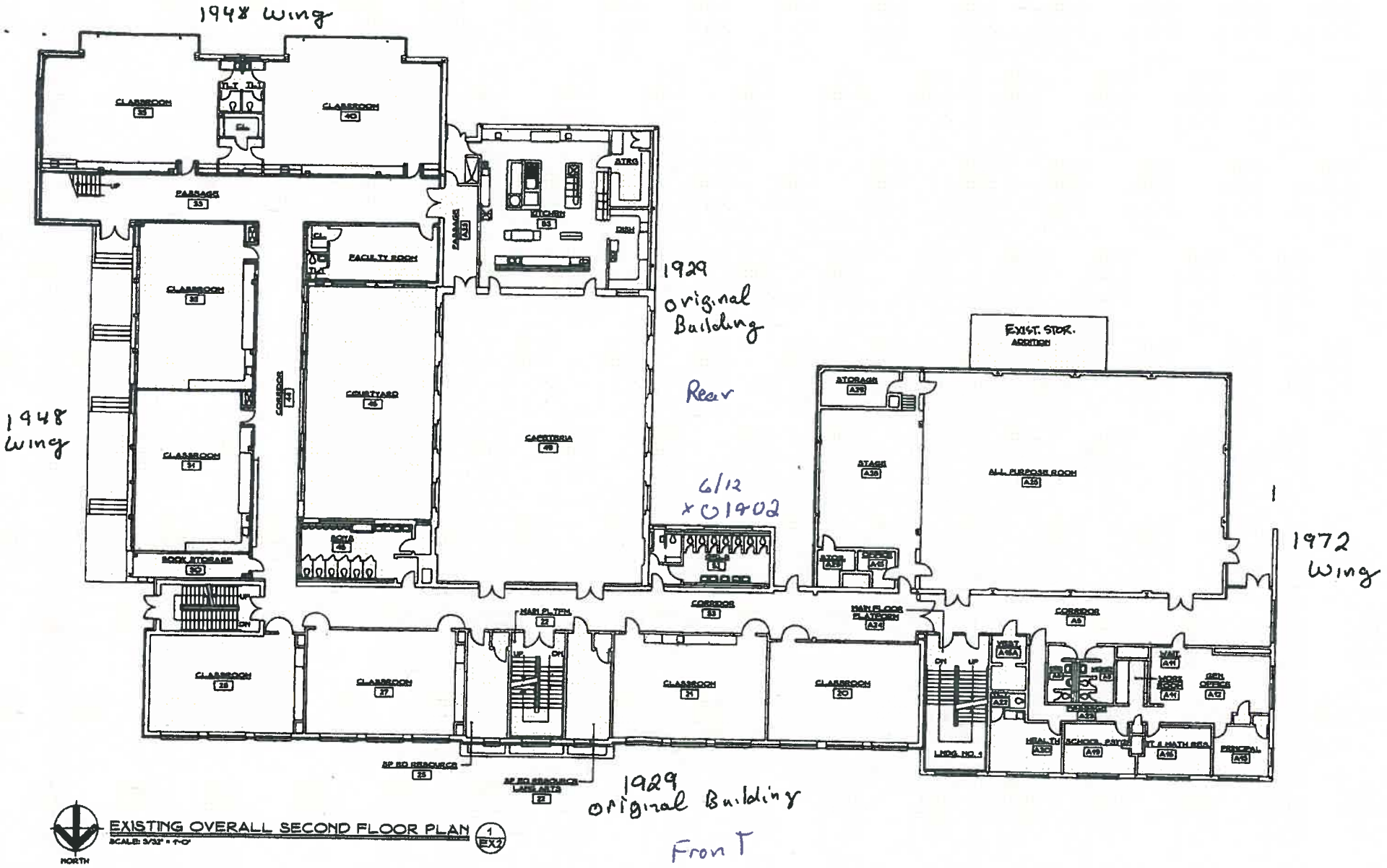
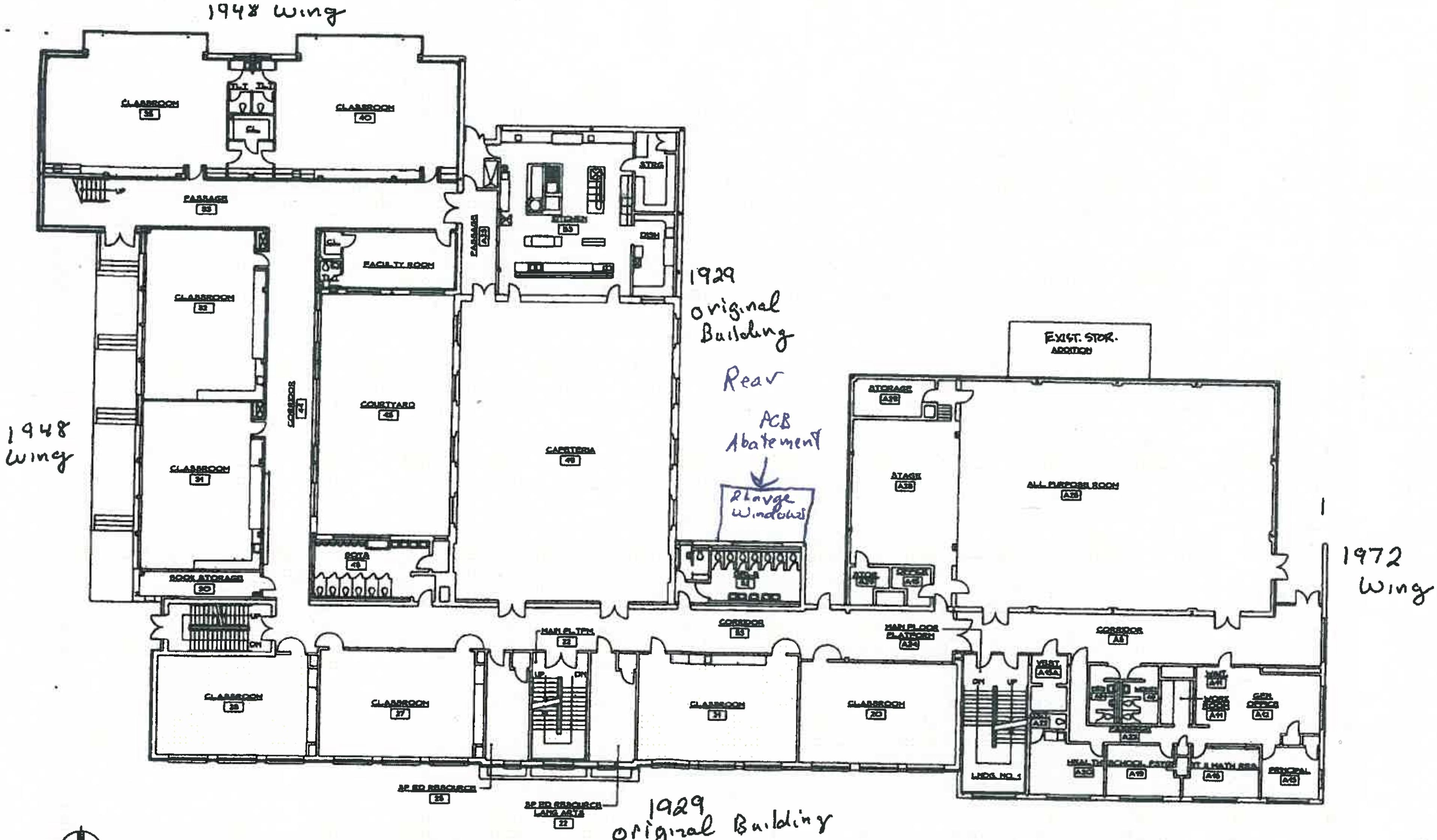

1948 Wing
1929 original Building
Rear
1948 Wing
1972 Wing
1929 original Building
Front
EXISTING OVERALL SECOND FLOOR PLAN
NORTH

Figure 2-2


1948 Wing
CLASSROOM 35
CLASSROOM 40
PASSAGE 33
FACULTY ROOM
PASSAGE A23
KITCHEN 53
STRG
DISH
CLASSROOM 32
CORRIDOR 44
COURTYARD 45
CAFETERIA 46
CLASSROOM 31
1948 Wing
BOOK STORAGE 30
1929 Original Building
Rear
PCB Abatement
2 large Windows
EXIST. STOR. ADDITION
STORAGE A39
STAGE A38
ALL PURPOSE ROOM A28
1972 Wing
CORRIDOR 53
MAIN FLOOR PLATFORM A34
CORRIDOR A8
MAIN FL. TPH 22
CLASSROOM 28
CLASSROOM 27
CLASSROOM 21
CLASSROOM 20
GEN. OFFICE A12
PRINCIPAL A15
LNDG. NO. 1
SP ED RESOURCE 25
SP ED RESOURCE LANG ARTS 22
1929 Original Building
Front
NORTH

EXISTING OVERALL SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"
1 EX2

Figure 3-1

FUSS & O'NEILL

Appendix A

Laboratory Analysis and Chain of Custody
Source Materials - Bulk

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report
March 30, 2010

FOR: Attn: Mr. Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/10	15:00
Location Code:	F&O-TRUM	Received by:	LB	03/29/10	15:04
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAS87658
Phoenix ID: AS87658

Project ID:

Client ID: 1ST FLR COURTYARD CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/10		MJL	E160.3
Caulk Extraction for PCB	Completed			03/29/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	134		%	03/30/10		MH	3540C/8082
% TCMX	105		%	03/30/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 30, 2010

FOR: Attn: Mr. Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/10	15:00
Location Code:	F&O-TRUM	Received by:	LB	03/29/10	15:04
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAS87658
Phoenix ID: AS87659

Project ID:

Client ID: 1ST FLR COURTYARD GLAZE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/10		MJL	E160.3
Caulk Extraction for PCB	Completed			03/29/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	128		%	03/30/10		MH	3540C/8082
% TCMX	101		%	03/30/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report
March 30, 2010

FOR: Attn: Mr. Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/10	15:00
Location Code:	F&O-TRUM	Received by:	LB	03/29/10	15:04
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAS87658
Phoenix ID: AS87660

Project ID:
Client ID: REAR BLDG LINTEL

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/10		MJL	E160.3
Caulk Extraction for PCB	Completed			03/29/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1221	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1232	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1242	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1248	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1254	97000	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1260	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1262	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
PCB-1268	ND	17000	ug/Kg	03/30/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/30/10		MH	3540C/8082
% TCMX	Diluted Out		%	03/30/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report
March 30, 2010

FOR: Attn: Mr. Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/10	15:00
Location Code:	F&O-TRUM	Received by:	LB	03/29/10	15:04
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAS87658
Phoenix ID: AS87661

Project ID:
Client ID: DOOR CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/10		M / JL	E160.3
Caulk Extraction for PCB	Completed			03/29/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	03/30/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	123		%	03/30/10		MH	3540C/8082
% TCMX	93		%	03/30/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 01, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NELAC
NY # 11301

QA/QC Report

April 01, 2010

QA/QC Data

SDG I.D.: GAS87658

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 149743, QC Sample No: AS87061 (AS87658, AS87659, AS87660, AS87661)							
Polychlorinated Biphenyls							
PCB-1016	ND	95	94	1.1	109	93	15.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	103	103	0.0	121	117	3.4
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	100	97	96	1.0	117	127	8.2
% TCMX (Surrogate Rec)	79	81	76	6.4	87	89	2.3

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 01, 2010

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-TRUM

Project Location: 1ST FLR COURTYARD CAULK **Project Number:**

Laboratory Sample ID(s): AS87658, AS87659, AS87660, AS87661

Sampling Date(s): 3/25/2010

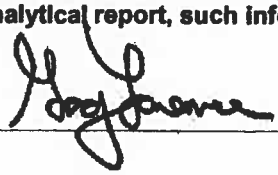
RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Thursday, April 01, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

April 01, 2010

SDG I.D.: GAS87658

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 03/30/10-1 (AS87661)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 3/30/2010

Instrument: Au-ecd5 03/30/10-1 (AS87658, AS87659, AS87660)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Mark Rochette
Position: Chemist
Date: 3/30/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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- ☑ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 17668

Turnaround:
- ☑ 1 Day*
- ☐ 2 Days*
- ☐ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Silver Pet - Stratfield School	FAIRFIELD, CT	20072231.ASE TASK 100	Phoenix

REPORT TO: KEVIN MCCARTHY

INVOICE TO: KEVIN MCCARTHY

P.O. No.: 20072231. ASE TASK 100

Sampler's Signature: _____ Date: 3/25/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other Window/Door Caulk/Glaze

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	RCRA's	Soil VOA Vial, [ ] methanol	Soil VOA Vials, [ ] water [ ] Na_2SO_3	Glass Soil Container: (2) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] HCl	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - HNO_3, 250 ml [ ] 500 ml	Plastic - NaOH, 250 ml [ ] Filtered [ ] Unfiltered	Comments
01	✓	✓	✓	✓	01 - 1st Flr Courtyard Caulk	X	3/25/10	1500	✓			✓									876058
02	✓	✓	✓	✓	02 - 1st Flr Courtyard Glaze	X	3/25/10	1500	✓			✓									876059
03	✓	✓	✓	✓	03 - Rear Bldg - Lintel	X	3/25/10	1500	✓			✓									876060
04	✓	✓	✓	✓	04 - Door Caulk	X	3/25/10	1500	✓			✓									876061

Transfer Number	Relinquished By	Accepted By	Date	Time
1		K. McCarthy	3/26/10	1240
2	K. McCarthy	Fuss & O'Neill Fedex	3/29/10	1240
3	Fed Ex		3/29/10	1100
4			3/29/10	1100

Reporting and Detection Limit Requirements:

Additional Comments:
EMAIL RESULTS: KMCCARTHY @ FANDO.COM
* 24 HR RUSH ANALYSIS REQUESTED

Kristen Fredrick Kisa Farr 3/29 15:04

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 27, 2010

FOR: Attn: Mr Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/22/10	16:00
Location Code:	F&O-TRUM	Received by:	SW	04/23/10	16:26
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20072231A5E				

Laboratory Data

SDG ID: GAS97646
Phoenix ID: AS97646

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: 926-10422-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/26/10		MJL	E160.3
Caulk Extraction for PCB	Completed			04/25/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	04/26/10		MH	3540C/8082
% TCMX	99		%	04/26/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 28, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 27, 2010

FOR: Attn: Mr Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/22/10	16:00
Location Code:	F&O-TRUM	Received by:	SW	04/23/10	16:26
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20072231A5E				

Laboratory Data

SDG ID: GAS97646
Phoenix ID: AS97647

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: 926-10422-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/26/10		M / JL	E160.3
Caulk Extraction for PCB	Completed			04/25/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	04/26/10		MH	3540C/8082
% TCMX	102		%	04/26/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 28, 2010

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report
April 27, 2010

FOR: Attn: Mr Kevin McCarthy
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/22/10	16:00
Location Code:	F&O-TRUM	Received by:	SW	04/23/10	16:26
Rush Request:	RUSH###	Analyzed by:	see "By" below		
P.O.#:	20072231A5E				

Laboratory Data

SDG ID: GAS97646
Phoenix ID: AS97648

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: 926-10422-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/26/10		MJL	E160.3
Caulk Extraction for PCB	Completed			04/25/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1254	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	04/26/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	04/26/10		MH	3540C/8082
% TCMX	96		%	04/26/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 28, 2010

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NY # 11301

QA/QC Report

April 28, 2010

QA/QC Data

SDG I.D.: GAS97646

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 151793, QC Sample No: AS97782 (AS97646, AS97647, AS97648)							
Polychlorinated Biphenyls							
PCB-1016	ND	86	89	3.4	91	84	8.0
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	83	83	0.0	87	84	3.5
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	79	92	91	1.1	88	89	1.1
% TCMX (Surrogate Rec)	67	76	77	1.3	75	78	3.9

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 28, 2010

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-TRUM

Project Location: SILVER PET-STRATFIELD SCH **Project Number:**

Laboratory Sample ID(s): AS97646, AS97647, AS97648

Sampling Date(s): 4/22/2010

RCP Methods Used:

☑ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Kathleen Cressia

Date: Wednesday, April 28, 2010

Printed Name: Kathleen Cressia

Position: QA/QC Officer

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

April 28, 2010

SDG I.D.: GAS97646

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd8 04/26/10-1 (AS97646, AS97647, AS97648)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 4/26/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 17681

Turnaround
- ☐ 1 Day*
- ☐ 2 Days*
- ☒ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Silver Pet - Stratfield School	Fairfield, CT	20072231.A5E Task 100	Phoenix

REPORT TO: Kevin McCarthy

INVOICE TO: Matt Myers

P.O. No.: 20072231.A5E

Sampler's Signature: [signature] Date: 4/22/2010

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other Caulking

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request: RCB's - 8082	Containers: Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) mL, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1	✓				926.10422.01 - Kindergarten Unit 1	X	4/22	1400	—			J									97646
2	✓				926.10422.02 Kindergarten Unit 2	X	4/22	1401	✓			J									97647
3	✓				926.10422.03 - Library Bookcases	X	4/22	1400	—			J									97648

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	F+O Fedex	4/22	1700
2	FedEx Bridge	[signature]	4/23	1440
3	[signature]	[signature]	4/23	1441
4	[signature]	[signature]	4-23-	14:41

Reporting and Detection Limit Requirements:

Additional Comments:

Raritan 4/23 16:26

FUSS & O'NEILL

Appendix B

Laboratory Analysis and Chain of Custody
Adjacent Porous Surfaces - Bulk

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 15, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/12/10	14:00
Location Code:	F&O-TRUM	Received by:	LB	06/14/10	15:45
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231-ASE TASK				

Laboratory Data

SDG ID: GAZ14196
Phoenix ID: AZ14196

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: BRICK ABOVE CINTEL 01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	06/15/10		c/JL	E160.3
Soil Extraction for PCB	Completed			06/14/10		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1221	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1232	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1242	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1248	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1254	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1260	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1262	ND	330	ug/Kg	06/15/10		MH	SW 8082
PCB-1268	ND	330	ug/Kg	06/15/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	76		%	06/15/10		MH	SW 8082
% TCMX	78		%	06/15/10		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
June 17, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 15, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Incorporated
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/12/10	14:00
Location Code:	F&O-TRUM	Received by:	LB	06/14/10	15:45
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231-ASE TASK				

Laboratory Data

SDG ID: GAZ14196
Phoenix ID: AZ14197

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: SILL 02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	06/15/10		c/JL	E160.3
Soil Extraction for PCB	Completed			06/14/10		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1221	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1232	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1242	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1248	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1254	*	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1260	*	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1262	ND	1600	ug/Kg	06/15/10		MH	SW 8082
PCB-1268	ND	1600	ug/Kg	06/15/10		MH	SW 8082
Total PCBs	12000	1600	ug/Kg	06/15/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/15/10		MH	SW 8082
% TCMX	Diluted Out		%	06/15/10		MH	SW 8082

Project ID: SILVER PET-STRATFIELD SCHOOL
Client ID: SILL 02

Phoenix I.D.: AZ14197

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
June 17, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 17, 2010

QA/QC Data

SDG I.D.: GAZ14196

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 155117, QC Sample No: AZ14014 (AZ14196, AZ14197)							
Polychlorinated Biphenyls							
PCB-1016	ND	94	94	0.0	71	64	10.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	94	93	1.1	60	63	4.9
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	85	83	78	6.2	37	43	15.0
% TCMX (Surrogate Rec)	88	79	77	2.6	54	53	1.9

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
June 17, 2010

Requested Criteria:

Sample Criteria Exceedences Report

GAZ14196

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-TRUM

Project Location: SILVER PET-STRATFIELD SCH **Project Number:**

Laboratory Sample ID(s): AZ14196, AZ14197

Sampling Date(s): 6/12/2010

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Thursday, June 17, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

June 17, 2010

SDG I.D.: GAZ14196

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 06/15/10-1 (AZ14196, AZ14197)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 6/15/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

CHAIN-OF-CUSTODY RECORD 17733

Turnaround Time
☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Silver Pet - Stratfield School
PROJECT LOCATION: Fairfield, CT
PROJECT NUMBER: 20072231-ASE TASK 100
LABORATORY: Phoenix

REPORT TO: MATT MYERS
INVOICE TO: MATT MYERS
P.O. NO.: 20072231.ASE TASK 100
Sampler's Signature: J McCarthy Date: 6/12/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other ~~Cake~~ Brick

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082)	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz.	Glass Soil Container (2) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) mL, [ ] As is [ ] HCl	Plastic - As is, [ ] 250 ml [ ] As is [ ] H_2SO_4	Plastic - HSO_4, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - HNO_3, 250 ml [ ] 500 ml	Plastic - NaOH, 250 ml [ ] Filtered [ ] Unfiltered	Comments
1	✓	✓	✓		Brick Above Control-01	X	6/12/10	1480	✓				1								14196
2	✓	✓	✓		Sill-02	X	6/12/10	1400	✓				1								14197

Transfer Number	Relinquished By	Accepted By	Date	Time
1	J McCarthy	FTD Fridge	6/17/10	1710
2	FTD Fridge		6/14/10	1400
3			6/14/10	1402
4			6-14-10	1402
		6-14-10	15:45	

Reporting and Detection Limit Requirements:

Additional Comments: EMAIL RESULTS MMYERS@FANDO.COM

4°C

FUSS & O'NEILL

Appendix C

Technical Specification Section

SECTION 020830 – PCB REMEDIATION TECHNICAL SPECIFICATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 specification sections, apply to this section.

B. Reference is made to the Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal as prepared by Fuss & O'Neill, EnviroScience, LLC dated June 28, 2010.

C. Scope of work is also identified on figure 3.1.

D. Related Specification sections include asbestos abatement section 020800 and drawings ASB-1, ASB-2 and ASB-3.

1.2 GENERAL REQUIREMENTS

A. The Remediation Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, notifications, permits, licenses, certifications, agreements and incidentals necessary to perform the specified work. Work shall be performed in accordance with the contract documents, the latest regulations from the Occupational Safety and Health Administration (OSHA), the United States Environmental Protection Agency (USEPA), and all other applicable federal, state and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.

B. All project personnel engaged in the work covered under this section shall be trained in accordance with OSHA Regulations 29 CFR 1910.1000 and 29 CFR 1910.1200. It should also be noted that work associated with PCB removal shall also involve exposure to asbestos during demolition and removal activities specified herein and Remediation Contractor shall perform required exposure assessment for asbestos in accordance with 29 CFR 1926.1101 for asbestos.

C. The Remediation Contractor shall provide a Project Health and Safety Officer having a minimum of eight (8) hours of supervisor training in hazardous waste site operations in accordance with the requirements of 29 CFR 1910. The supervisor must be on site at all times during abatement work.

D. This section specifies the procedures for removal of existing materials containing polychlorinated biphenyls (PCB), equal to or greater than (≥)50 parts per million (ppm), in the form of window system caulking compounds and disposal of removed materials as PCB Bulk Product Waste. Also includes the removal of Bulk PCB Remediation Waste including concrete sills and subsequent cleaning of all adjacent surfaces upon completion of work.

E. Disturbance or removal of polychlorinated biphenyls (PCB) containing materials may cause a health hazard to workers and building occupants. The Remediation Contractor shall disclose to all of his workers, supervisory personnel, subcontractors and consultants who will be at job site of the seriousness of the hazard and of proper work procedures which must be followed.

F. Where in the performance of the work, workers, supervisory personnel, subcontractors, or consultants may encounter, disturb or otherwise function in the immediate vicinity of polychlorinated biphenyls (PCB) containing materials, appropriate, continuous measures as necessary to protect all workers from the hazard of exposure shall be taken. Such measures shall include the procedures and methods described herein, regulations of the U.S. Occupational Safety & Health Administration (OSHA), U.S. Environmental Protection Agency (USEPA), and local requirements as applicable.

G. The results of the testing for PCB are identified in the Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal.

H. Project Scope Locations and Work Statement: The project site is the located at the Stratfield Elementary School, 1407 Melville Avenue in Fairfield, CT. Locations of work are also detailed on Figure 3.1. The proposed removal and disposal activities to be performed by Remediation Contractor shall include the following:

1. Site preparation and controls to facilitate remediation of PCBs. Containment procedures referenced for the abatement zone must be utilized for both PCB Bulk Product Waste removal as well as Bulk PCB Remediation Waste Removal.
2. Health and Safety in accordance with Occupation Safety and Health Administration (OSHA) requirements.
3. Remove existing exterior caulking compounds for the brick/metal lintel around two window openings for disposal as PCB Bulk Product Waste. Note caulking also contains asbestos.
4. Exterior sill shall be removed and the underlying material must contain less than one ppm PCB as verified by sampling. All removed material shall be disposed of as Bulk PCB Remediation waste.
5. Cleaning of each work area following complete removal of PCB Materials to ensure adherence for post cleaning verification levels established in above referenced Work Plan.
6. Steel window lintels to remain shall be stripped of all paint and surface ground smooth or sand blasted to meet Visual Standard No. 2, Near-White Blast Cleaned Surface Finish, of the National Association of Corrosion

Engineers (NACE) due to the presence of rust, mill scale and porous paint on surface.

7. Recordkeeping and distribution as required in accordance with 40 CFR part 761.125 (c)(5).

1.3 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only. Where a conflict or overlap among regulations and/or these specifications exist, the most stringent requirements shall apply.

1. American National Standards Institute (ANSI)
   a. ANSI.Z89.1 Personnel Protective Equipment - Protective Headwear for Industrial Worker's Requirements (Latest Revision)
   b. ANSI.Z87
2. Code of Federal Regulations (CFR)
   a. 29 CFR Subpart D- Walking, Working Surfaces
   b. 29 CFR 1910.120 - Hazardous Waste Operations and Emergency Response (HAZWOPER).
   c. 29 CFR 1910.134 - Respiratory Protection Standard
   d. 29 CFR 191 0.146 - Permit-Required Confined Spaces
   e. 29 CFR 1910.1000 – Air Contaminants (Table Z-1)
   f. 29 CFR 1910.1200 - Hazard Communication
   g. 29 CFR 1926.20 - General Health and Safety Provisions
   h. 29 CFR 1926.57 - Ventilation
   i. 29 CFR 1926.59 - Hazard Communication Program
   j. 29 CFR 1926.62 - Lead Exposure in Construction
   k. 29 CFR 1926.95 - Criteria for Personal Protective Equipment
   l. 29 CFR 1926, Subpart H -Materials Handling, Storage, Use and Disposal
   m. 29 CFR 1926, Subpart L - Scaffolding
   n. 29 CFR 1926, Subpart M -Fall Protection
   o. 29 CFR 1926, Subpart X - Ladders
   p. 29 CFR 1926, Subpart Z - Toxic and Hazardous Substances
   q. 40 CFR 50.6 - National Primary and Secondary Ambient Air Quality Standards for Particulate Matter
   r. 40 CFR 260 - Hazardous Waste Management System: General
   s. 40 CFR 261 - Identification and Listing of Hazardous Waste
   t. 40 CFR 262 - Standards Applicable to Generators of Hazardous Waste
   u. 40 CFR 263 - Standards Applicable to Transporters of Hazardous Waste
   v. 40 CFR 264 - Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities

w. 40 CFR 265 - Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
x. 40 CFR 268 - Land Disposal Restrictions
y. 40 CFR 700 - Toxic Substances Control Act (TSCA)
z. 40 CFR 761- PCBs Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions
aa. 49 CFR 105 - Hazardous Materials Program Definitions and General Procedures
ab. 49 CFR 171 - General Information, Regulations and Definitions
ac. 49 CFR 172 - Hazardous Material Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
ad. 49 CFR 173 - Shippers-General Requirements for Shipments and Packaging
ae. 49 CFR 177 - Carriage by Public Highway
af. 49 CFR 176 - Specifications for Packaging

3. National Institute for Occupational Safety and Health (NIOSH)
   a. Publication Number 87-106 Respiratory Decision Logic
   b. NIOSH /OSHA Booklet 3142 Lead in Construction
   c. Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (NIOSH Publication 85-115)
4. U.S. Environmental Protection Agency (USEPA), Toxic Substances Control Act (TSCA)
   a. Polychlorinated Biphenyl (PCB) Site Revitalization Guidance Under the Toxic Substances Control Act
   b. 40 CFR Part 761.50 - Applicability (b) (1-8)
   c. 40 CFR Part 761.61 - PCB Remediation Waste
   d. 40 CFR Part 761.62 - PCB Bulk Product Waste
   e. 40 CFR Part 761.79 - Decontamination
5. Center for Disease Control (CDC): Air Pollution and Respiratory Health.

1.4 DEFINITIONS

A. The following definitions as used within this technical specification as well as references to specific sections of the Code of Federal Regulation section 40 CRF Part 761 are provided. Definitions are extracted in part from 40 CFR Part 761.3, for full definitions refer to the specified section of regulations.

1. Bulk PCB Remediation Waste means waste containing PCBs as a result of a spill, release, or other unauthorized disposal, at the following concentrations: Materials disposed of prior to April 18, 1978, that are currently at concentrations ≥50 ppm PCBs, regardless of the concentration of the original spill; materials which are currently at any volume or concentration where the original source was ≥500 ppm PCBs beginning on April 18, 1978, or ≥50 ppm PCBs beginning on July 2, 1979; and materials which are currently at any concentration if the PCBs

are spilled or released from a source not authorized for use under this part. PCB remediation waste means soil, rags, and other debris generated as a result of any PCB spill cleanup, as further defined in 40 CFR §761.3.

2. CERCLA means the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601-9657).
3. Chemical waste landfill means a landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB Items deposited therein by locating, engineering, and operating the landfill as specified in §761.75.
4. Cleanup Site means the areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of a cleanup of PCB remediation waste, regardless of whether the site was intended for management of waste.
5. Containment means the enclosure within the building which establishes a contaminated area and surrounds the location where PCB and/or other toxic or hazardous substance removal is taking place and establishes a Control Work Area.
6. Designated Facility means the off-site disposer or commercial storer of PCB waste designated on the manifest as the facility that will receive a manifested shipment of PCB waste.
7. Disposal means intentionally or accidentally to discard, throw away, or otherwise complete or terminate the useful life of PCBs and PCB Items. Disposal includes spills, leaks, and other uncontrolled discharges of PCBs as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB Items.
8. DOT means the United States Department of Transportation.
9. EPA identification number means the 12-digit number assigned to a facility by EPA upon notification of PCB waste activity under §761.205.
10. Excluded PCB products means PCB materials which appear at concentrations less than 50 ppm as defined in 40 CFR §761.3.
11. Fixed Object: means mechanical equipment, electrical equipment, fire detection systems, alarms, and all other fixed equipment, fixtures or other items which cannot be removed from the work area.
12. Generator of PCB waste means any person whose act or process produces PCBs that are regulated for disposal under subpart D of 40 CFR Part 761, or whose act first causes PCBs or PCB Items to become subject to the disposal requirements of subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated and therefore is subject to the disposal requirements of subpart D. Unless another provision of 40 CFR Part 761 specifically requires a site-specific meaning, "generator of PCB waste" includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
13. HEPA: High Efficiency Particulate Air filtration efficiency of 99.97 percent down to 0.3 microns. Filtration provided on specialized vacuums and air filtration devices to trap particles.

14. High occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste. Examples could include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40 hours per week work station, a school class room, a cafeteria in an industrial facility, a control room, and a work station at an assembly line.
15. Incinerator means an engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
16. Laboratory means a facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
17. Liquid PCBs means a homogenous flowable material containing PCBs and no more than 0.5 percent by weight non-dissolved material.
18. Low occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste. Examples could include an electrical substation or a location in an industrial facility where a worker spends small amounts of time per week (such as an unoccupied area outside a building, an electrical equipment vault, or in the non-office space in a warehouse where occupancy is transitory).
19. Manifest means the shipping document EPA form 8700–22 and any continuation sheet attached to EPA form 8700–22, originated and signed by the generator of PCB waste in accordance with the instructions included with the form and subpart K of this part.
20. Mark means the descriptive name, instructions, cautions, or other information applied to PCBs and PCB Items, or other objects subject to these regulations.
21. Marked means the marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of these regulations.
22. Municipal solid wastes means garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
23. Non-liquid PCBs means materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F) or from which no liquid passes when a 100 g or 100 ml representative sample is placed in a mesh number 60 ±5 percent paint filter and allowed to drain at room temperature for 5 minutes.

24. Non-porous surface means a smooth, unpainted solid surface that limits penetration of liquid containing PCBs beyond the immediate surface. Examples are: smooth un-corroded metal; natural gas pipe with a thin porous coating originally applied to inhibit corrosion; smooth glass; smooth glazed ceramics; impermeable polished building stone such as marble or granite; and high density plastics, such as polycarbonates and melamines, that do not absorb organic solvents.
25. On site means within the boundaries of a contiguous property unit.
26. PCB and PCBs means any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contains such substance. Refer to §761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in §761.3. For any purposes under this part, inadvertently generated non-Aroclor PCBs are defined as the total PCBs calculated following division of the quantity of mono-chlorinated biphenyls by 50 and di-chlorinated biphenyls by 5.
27. PCB Article means any manufactured article, other than a PCB Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. "PCB Article" includes capacitors, transformers, electric motors, pumps, pipes and any other manufactured item (1) which is formed to a specific shape or design during manufacture, (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) which has either no change of chemical composition during its end use or only those changes of composition which have no commercial purpose separate from that of the PCB Article.
28. PCB Article Container means any package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
29. PCB Bulk Product Waste means waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal is ≥50 ppm PCBs. PCB bulk product waste does not include PCBs or PCB Items regulated for disposal under §761.60(a) through (c), §761.61, §761.63, or §761.64. PCB bulk product waste is further defined in 40 CFR §761.3.
30. PCB Capacitor means any capacitor that contains ≥500 ppm PCB. Concentration assumptions applicable to capacitors appear under §761.2.
31. PCB Container means any package, can, bottle, bag, barrel, drum, tank, or other device that contains PCBs or PCB Articles and whose surface(s) has been in direct contact with PCBs.
32. PCB-Contaminated means a non-liquid material containing PCBs at concentrations ≥50 ppm but < 500 ppm; a liquid material containing PCBs at concentrations ≥50 ppm but < 500 ppm or where insufficient liquid material is available for analysis, a non-porous surface having a

surface concentration >10 μg/100 cm^2 but < 100 μg/100 cm^2, measured by a standard wipe test as defined in §761.123.

33. PCB Equipment means any manufactured item, other than a PCB Container or a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
34. PCB Item means any PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains or has as a part of it any PCB or PCBs.
35. PCB waste(s) means those PCBs and PCB Items that are subject to the disposal requirements of subpart D in 40 CFR Part 761.
36. Porous surface means any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with a porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low-density plastics such as Styrofoam and low-density polyethylene; coated (varnished or painted) or uncoated wood; concrete or cement; plaster; plasterboard; wallboard; rubber; fiberboard; chipboard; asphalt; or tar paper. For purposes of cleaning and disposing of PCB remediation waste, porous surfaces have different requirements than non-porous surfaces.
37. RCRA means the Resource Conservation and Recovery Act (40 U.S.C. 6901 et seq.).
38. Standard wipe sample means a sample collected for chemical extraction and analysis using the standard wipe test as defined in §761.123. Except as designated elsewhere in part 761, the minimum surface area to be sampled shall be 100 cm^2.
39. Storage for disposal means temporary storage of PCBs that have been designated for disposal.
40. SW–846 means the document having the title "SW-846, Test Methods for Evaluating Solid Waste,"
41. Totally enclosed manner means any manner that will ensure no exposure of human beings or the environment to any concentration of PCBs.
42. Transfer facility means any transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during the normal course of transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of §761.65, but such storage areas are exempt from the approval requirements of §761.65(d) and the recordkeeping requirements of §761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.
43. Transporter of PCB waste means, for the purposes of subpart K of 40 CFR Part 761, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.

44. Transport vehicle means a motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle.
45. TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

1.5 SUBMITTALS

A. The following documents shall be submitted immediately upon project award to the Owner prior to commencement of PCB Removal work:

1. Site Specific Health and Safety Plan (HASP): The Remediation Contractor shall prepare a site specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements. The HASP shall govern all work conducted at the site during the abatement of PCB Paint and related debris; waste handling, sampling, waste management; and waste transportation. At a minimum, the HASP shall address the requirements set forth in 29 CFR 1910.120, as further outlined below:
   a. Health and Safety Organization
   b. Site Description and Hazard Assessment
   c. Training
   d. Medical Surveillance
   e. Work Areas
   f. Personal Protective Equipment
   g. Personal Hygiene and Decontamination
   h. Standard Operating Procedures and Engineering Controls
   i. Emergency Equipment and First Aid Provisions
   j. Equipment Decontamination
   k. Air Monitoring
   l. Telephone List
   m. Emergency Response and Evacuation Procedures and Routes
   n. Site Control
   o. Permit-Required Confined Space Procedures
   p. Spill prevention and Containment Plan
   q. Heat and Cold Stress
   r. Record Keeping
   s. Community Protection Plan
2. Training Documentation: Documentation of OSHA 40-Hour HAZWOPER Training for all employees and subcontractors to be used for the abatement work, and 8-Hour HAZWOPER Supervisor Training for the designated on-site Health and Safety Officer for the abatement work.
3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Remediation Contractor's plan for transportation and disposal of PCB-containing or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:

a. Waste packaging, labeling, placarding and manifesting procedures.
b. The name, address and 24-hour contact number for the proposed treatment or disposal facility or facilities to which waste generated during the project will be transported.
c. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA identification number for firms that will transport waste.
d. The license plate numbers of vehicles to be used in transporting of the waste from the site to the disposal facility.
e. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.

4. Material Safely Data Sheets: Material Safety Data Sheets (OSHA Form 174 or equivalent) and manufacturer's information shall be provided for all chemicals and materials to be used during the project including but not limited to specialty cleaners and chemical stripping products.

B. The following documents shall be submitted to the Owner within fifteen (15) work days following removal of waste from the site:
1 Waste Profile Sheets
2. Pre-Disposal Analysis Test Results (If required by disposal facility)
3. Manifests signed by the disposal facility
4. Tipping Receipts provided by the disposal facility
5. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.

C. PCB Work Closeout Submittals:
1. Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing the PCB-containing or other Toxic or Hazardous Substances materials have been properly disposed.

D. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

1.6 POSTING AND RECORD MAINTENANCE REQUIREMENTS

A. The following items shall be conspicuously displayed proximate but outside of abatement work areas.

1. Exit Routes -Emergency exit procedures and routes
2. Emergency Phone Numbers - A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department; the local police department; the Poison Control Center; Chemical Emergency Advise (CHEMTREC); the local Department of Health's local office; the Remediation Contractor (on-site and after hours numbers); and the environmental consultant (on-site and after hours numbers).

3. Warning Signs - Warning signs shall be in English and the language of any workers onsite who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with 29 CFR 1910.1200:

WARNING
HAZARDOUS WASTE WORK AREA
PCBs-POISON
NO SMOKING, EATING OR DRINKING
AUTHORIZED PERSONNEL ONLY
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA

In addition, all entrances to work areas shall be posted with a PCB M_L marker.

B. The Remediation Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:

1. Remediation Contractor's Project Specific Health and Safety Plan
2. Certificates of Training for all employees and the project Supervisor
3. Codes, Standards and Publications
4. Material Safety Data Sheets (MSDS) for all chemicals used during the project.
5. Copies of the Remediation Contractor's written hazard communication, respiratory protection, and confined space entry programs.

C. Fees, Permits and Licenses. The Remediation Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.

1. The Remediation Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Remediation Contractor shall hold the Owner and the Owner's Authorized Representative harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.
2. The Remediation Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

1.7 QUALITY ASSURANCE

A. The Remediation Contractor shall provide and assure that the quality of work practices and procedures to be utilized are consistent with the above listed agencies and regulations. Remediation Contractor shall utilize the latest edition, including all addenda, revisions and supplements for all regulatory agencies codes, etc.

B. Worker's Qualifications: The persons performing PCB Caulking abatement and their supervisors shall be personally experienced in PCB abatement work and shall have been regularly employed by a company performing PCB abatement for a minimum of 3 years.

C. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Owner at the Site for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.

1. The conference shall be attended by the Remediation Contractor, and the Owner's Authorized Representative employed by the Owner.

1.8 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

A. The Remediation Contractor is responsible and liable for the health and safety of all onsite personnel and the offsite community affected by the project. All onsite workers or other persons entering the abatement work areas, decontamination areas or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site specific Health and Safety Plan at all times. The Remediation Contractor's HASP shall comply with all applicable federal, stale and local regulations protecting human health and the environment from the hazards posed by the work to be performed under this project.

B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub Contracts without compromise or prejudice to the rights of the Owner or the Owner's Authorized Representative.

C. Any discrepancies between the Remediation Contractor's HASP and these specifications or federal and state regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel and the surrounding community and environment

D. In addition to exposure concerns relating to the presence of PCB's, other health and safety considerations will apply to the work. The Remediation Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of Remediation Contractor employees at all times. It is the Remediation Contractor's responsibility to comply with all applicable health and safety regulations.

E. The HASP shall be reviewed by all persons prior to entry into the abatement, decontamination, or waste staging areas, whether a representative of the Remediation Contractor, owner, architect/engineer, environmental consultant, subcontractor(s), waste transporter or federal, state or local regulatory agency. Such review shall be acknowledged and documented by the Remediation

Contractor's Health and Safety Officer by obtaining the name, signature and affiliation of all persons reviewing the HASP.

F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project and until all waste materials are removed from the site and disposed of at the appropriate disposal facility.

G. The Remediation Contractor's on-site Health and Safety Officer shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP at all times during the project.

1.9 WORK AREAS AND ZONES

A. The Remediation Contractor shall lay-out and clearly identify work areas in the field. Access by equipment, site personnel, and the public to the work areas shall be limited as follows:

1. Abatement Zone: The Abatement Zone(s) shall consist of all interior areas where removal of PCBs and other Toxic or Hazardous Substances and waste handling and staging activities are on-going and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of interior removal of PCB materials or other Toxic or Hazardous Substances for disposal shall be performed within a containment (refer to section 3.01) to isolate work areas from non-work areas. The containment shall be visibly delineated with appropriate warning signs at all approaches to Abatement (including a PCB M_L marker), and be restricted from access by all persons except those directly necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the project site to another, to limit access to each abatement area and to minimize risk of exposure to site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the HASP.

2. Decontamination Zone: The Decontamination Zone is the transition zone between the abatement area and the clean support zone of the project site, and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel and containerized waste products will occur and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as

a three chamber decontamination unit for workers and a two chamber equipment room for waste load out as detailed in Section 3.02. All emergency response and first aid equipment shall be readily maintained in these Zones. All protective equipment and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting to the Support Zone.

3. Support Zone: The Support Zone will consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone, Access to the Abatement and Decontamination Zones shall be controlled by the Health and Safety Officer and limited to those persons necessary to complete the abatement work and which have reviewed and signed the HASP.

1.10 PERSONNEL PROTECTIVE EQUIPMENT

A. The Remediation Contractor shall be responsible to determine and provide the appropriate level of personal protective equipment in accordance with applicable regulations and standards necessary to protect the Remediation Contractor's employees from all hazards present.

B. The Remediation Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic and biological hazards posed by the site and work activities.

C. The Remediation Contractor shall establish in the HASP criteria for the selection and use of personal protective equipment (PPE).

D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the project site and the work to be performed. Appropriate protective clothing shall be worn at all times within the Abatement Zone.

E. The Remediation Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist or there is a potential for such hazard to exit.

F. The Remediation Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities or otherwise present in the Abatement Zones. Coveralls shall be of Tyvek or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.

G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed of at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Health and Safety Officer. Protective clothing shall not be worn outside of the Decontamination Zone.

H. Hard Hats, protective eyewear, rubber boots and or other non-skid footwear shall be provided by the Remediation Contractor as required for workers and authorized visitors.

I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Remediation Contractor for transport and proper disposal n accordance with 40 CFR 262.

1.11 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

A. The Remediation Contractor shall provide and maintain at the site, at a minimum, the following Emergency and First Aid Equipment:

1. Fire Extinguishers: A minimum one (1) fire extinguisher shall be supplied and maintained at the site by the Remediation Contractor throughout the duration of the project. Each extinguisher shall be a minimum of a 20 pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per 29 CFR 1910.157.
2. First Aid Kit: A minimum 01 one (1) first aid kit meeting the requirements of 29 CFR 1910,151 shall be supplied and maintained at the site by the Remediation Contractor throughout the duration of the project.
3. Communications: Telephone communications (either cellular or land line) shall be provided by the Remediation Contractor for use by site personnel at all times during the project.

B. The Health and Safely Officer shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Health and Safety Officer shall then immediately notify the Owner's Authorized Representative.

1.12 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

A. The following provisions shall be employed to promote overall safety, personnel hygiene and personnel decontamination:

1. Each Remediation Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the site.

2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the site.
3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the site on each work day by the Remediation Contractor for this purpose.
4. All PPE used on site shall be decontaminated or disposed of at the end of each work day. Discarded PPE shall be placed in sealed DOT approved 55-gallon barrels for off-site disposal.
5. Respirators, if necessary due to an upgrade to Level C PPE, shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
7. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
8. No alcohol, tobacco, illicit drugs or firearms will be allowed on the site at any time.
9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud or other wet or discolored surfaces; kneeling on ground; and placing equipment, materials or food on ground or other potentially contaminated surface.
10. The use of the "Buddy System shall be employed at all times while conducting work at the site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage; routinely communicate with others; and notify the Health and Safety Officer in the case of an emergency.

B. Worker's must wear protective suits, protective gloves, eye protection and a minimum of half-face respirator with HEPA filter cartridge for all projects. Respiratory protection shall be in accordance with OSHA regulation 1910.134 and ANSI Z88.2.

C. Workers must be trained as per OSHA and USEPA requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.

1. A personal air sampling program shall be in place as required by OSHA.
2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 - PRODUCTS

2.1 ABATEMENT PRODUCTS

A. All materials shall be delivered in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name.

B. Disposal Drums: Metal or fiberboard with locking ring tops, with warning labels as required by OSHA, and/or EPA.

C. Respirators:

1. Type: Approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

D. Vacuum Cleaners:

1. Type: Vacuums equipped with HEPA filters.

E. Polyethylene Sheeting:

1. Type: Minimum 6 mil., opaque, fire retardant polyethylene sheets.
2. Floor Protective Layer: Minimum 10 mil., reinforced polyethylene sheets.

F. Cleaning Products: Remediation Contractor shall at their discretion utilize specialty cleaning products such as *Capsur*, *TechXtract* or other cleaners for use in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. Remediation Contractor shall ensure appropriate use and disposal associated with use in accordance with the MSDS sheets for each product utilized. It shall be incumbent upon the Remediation Contractor to determine the need for use of specialty products to meet required cleaning verification levels established herein and in accordance with the Work Plan.

2.2 GENERAL EQUIPMENT

A. A sufficient supply of disposable mops, rags, and sponges for work area cleaning and decontamination shall be available.

B. A sufficient supply of scaffolding, ladders, lifts, and hand tools (e.g., scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be provided as needed.

2.3 PERSONNEL PROTECTION

A. Safety equipment (e.g., hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Standard Z41.1-1967, disposable PVC gloves or other work gloves), shall be provided to all workers and authorized visitors.

B. Non-skid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.

PART 3 - EXECUTION

3.1 WORK AREA PROTECTION – ABATEMENT ZONE

A. Protection of Existing Construction: Perform PCB Bulk Product Waste and Bulk PCB Remediation Waste removal work without damage or contamination of adjacent areas, soil and existing construction.

B. Prior to commencement of PCB abatement activities at each work area, a containment system shall be constructed by the Remediation Contractor to capture and contain all materials removed during the abatement. Containment procedures referenced for the abatement zone must be utilized for both PCB Bulk Product Waste removal as well as Bulk PCB Remediation Waste Removal.

C. The project site shall be enclosed by a construction chain link fence. During all remediation activities, Remediation Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment and as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.

D. Work zones shall be established in accordance with this section to include abatement zone, decontamination zone and support zone.

E. Ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB contamination shall be utilized. Protection shall include the use of water impervious membrane covering which shall be secured to the ground surface. Edges shall be raised to prevent water run-off used for dust control during channel cutting and demolition of structures. The membrane shall be covered with a single layer of 6-mil polyethylene sheeting securely fastened to foundation.

1. One layer of polyethylene sheeting having a minimum thickness of 6-mils shall be installed on the exterior side of the structure beneath and extending a minimum of twenty five (25) feet beyond each window,

door or control joint in each direction. The polyethylene sheeting shall be securely fastened to the outside face of the structure using duct tape or other suitable material.

F. Isolation barriers shall be installed on the interior side of two window systems where abatement work is to be performed to isolate these systems to the building exterior where work shall occur. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the inside finish surfaces of walls to isolate window systems to the building exterior. To minimize dust and debris the contractor shall utilize negative pressure containment with use of negative air filtration units with HEPA filtration at location of two windows where abatement will occur on the exterior side of windows..

1. Two (2) layers of 6-mil polyethylene sheeting shall be securely affixed to the inside of each window and/or door system with duct tape or other means to isolate the window and/or door systems to the building exterior.

G. Isolation barriers shall be installed on exterior side of window and door systems within 25 feet of abatement to contain these systems where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the exterior side finish surfaces to contain window or door systems. Refer to technical specification section for requirements.

H. All other openings to the building interior such as unit ventilation, ducts, grilles shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior, within 25 feet of abatement work. Refer to technical specification section for requirements.

I. Negative Pressure: Air is to be drawn into the exterior enclosure under all anticipated conditions and exhausted through a HEPA filter during daily operations when dust generating methods for removing Bulk PCB Remediation Work such as cutting of masonry for the duration of the activity and for a period of not less than 1 hour after The design parameters for static pressure differentials between the inside and outside of enclosures shall be in a range from 0.02 to 0.10 inches of water gauge, depending on conditions. All zones inside the enclosure must have less pressure than the ambient pressure outside of the enclosure (-0.02 inches water gauge differential).

J. Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB Bulk Waste removal and PCB Remediation Waste removal. All debris generated during operations including but not limited to visible caulking, dust and debris shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.

K. Warning Signage: Post warning signs in accordance with 29 CFR 1910.1200 at all approaches to the work area. Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the PCB M_L markers at each entrance to the work area.

L. Waste Containers for PCB Bulk Product Waste: Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part 761.45. Marking shall include a PCB M_L marker.

3.2 DECONTAMINATION ZONE

A. The Remediation Contractor shall establish contiguous to the work area, a decontamination enclosure consisting of equipment room, shower room, and clean room in series. The only access between contaminated and uncontaminated areas shall be through this decontamination enclosure. The Remediation Contractor shall ensure that employees enter and exit the Abatement Zone through the decontamination area.

B. Access between rooms in the decontamination system shall be through double flap curtain opening airlocks.

C. Construct the decontamination systems with wood or metal framing, 3/8" sheathing and cover both sides with a double layer of six (6) mil polyethylene sheeting, spray glued or taped at the joints. Caulk joints watertight at floor, walls, and ceiling.

D. The Remediation Contractor shall visually inspect barrier several times daily to assure effective seal and the Remediation Contractor shall repair defects immediately.

E. Equipment room. The equipment room shall be supplied with impermeable, labeled bags and containers for the containment and disposal of contaminated protective equipment.

F. Shower area. Shower facilities shall be provided which comply with 29 CFR 1910.141(d)(3). The showers shall be adjacent both to the equipment room and the clean room.

G. Clean change room. The clean room shall be equipped with a locker or appropriate storage container for each worker's use. Following showering, each worker must then change into street clothing in clean change areas.

H. Decontamination area entry procedures. The Remediation Contractor shall ensure that all workers follow proper decontamination procedures for entry into a Regulated Work area including but not limited to the following:

1. Enter the decontamination area through the clean room;
2. Remove and deposit street clothing within a locker provided for their use;
3. Put on protective clothing and respiratory protection before leaving the clean room.
4. Before entering the Abatement Zone, the Remediation Contractor shall ensure that workers pass through the equipment room.

I. Decontamination area exit procedures. The Remediation Contractor shall ensure that all workers follow proper decontamination procedures for exit from a Regulated Work area including but not limited to the following:

1. Before leaving the regulated area, workers shall remove all gross contamination and debris from their protective clothing.
2. Workers shall remove their protective clothing in the equipment room and deposit the clothing in labeled impermeable bags or containers.
3. Workers shall not remove their respirators in the equipment room.
4. Workers shall shower prior to entering the clean room.
5. After showering, workers shall enter the clean room before changing into street clothes.

J. Equipment Room for Waste Removal: The Remediation Contractor shall establish a two chamber equipment room or area that is adjacent to the Abatement Zone for the decontamination of waste containers and equipment as noted above.

1. The area must be of sufficient size as to accommodate cleaning of equipment and removing waste without spreading contamination beyond the area (as determined by visible accumulations).
2. All equipment and surfaces of containers filled with PCB waste must be cleaned prior to removing them from the equipment room or area.

3.3 PCB BULK PRODUCT WASTE MATERIALS

A. PCB Bulk Product Waste Materials including PCB caulking compound and associated Bulk PCB Remediation Waste associated with metal non-porous window systems to be removed intact shall be handled and removed from specified locations for proper disposal.

B. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with dust collection systems.

C. Any dry or brittle caulking materials or other PCB Bulk Product waste shall be removed with additional engineering controls such as use of a HEPA vacuum to remove accumulated dust or debris during removal.

D. Sequence of removal shall follow the following general requirements:

1. PCB Caulking shall be removed from all brick/lintel surfaces and properly containerized for disposal as PCB Bulk Product Waste. Surfaces from which PCB caulking has been removed shall be cleaned with solvent based cleaner and wire brush to remove all visible caulking prior to proceeding with removal of PCB Remediation Waste.
2. Removal and off-site disposal of caulking compounds associated with painted steel window lintels and bricks at two window locations.

E. Waste shall be immediately containerized in temporary 6-mil polyethylene disposal bags for disposal. These containers shall be sealed in abatement zone when full during collection and then placed in disposal containers/storage trailers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions.

F. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with40 CFR Part §761.60 (a).

G. PCB Bulk Product Waste shall be stored for disposal in accordance with 40 CFR Part §761.40 and §761.65 and marked in accordance with 40 CFR Part §761.40 and §761.45.

H. All waste containers shall be appropriately labeled in accordance with 40 CFR Part §761.40 and §761.45. Labeling shall include the PCB M_L marker.

3.4 BULK PCB REMEDIATION WASTE

A. Bulk PCB Remediation Waste Materials include adjacent surfaces such as porous concrete sills. Additionally, painted steel window lintels adjacent to PCB caulking may be removed as Bulk PCB Remediation waste (if they can not be acceptably cleaned). Window systems included in Section 3.3 shall also be removed for disposal as Bulk PCB Remediation Waste.

B. The primary waste resulting from removal of adjacent surfaces will be PCB contaminated dust and debris from cutting, and removal of surfaces and the window sill.

C. Waste shall be immediately containerized in temporary 6-mil polyethylene disposal bags for disposal. These containers shall be sealed in abatement zone when full during collection and then placed in disposal containers/storage trailers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions.

D. No dry sweeping, dusting or blowing shall be allowed. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the Bulk PCB remediation waste show evidence of free liquid water, pooling or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with40 CFR Part §761.60 (a).

E. All rags and other cleaning materials used to decontaminate and clean remaining surfaces shall also be properly disposed as PCB Remediation Waste in accordance with 40 CFR Part §761.61(a)(5)(v)(A) and as applicable 40 CFR Part §761.79.

F. Sequence of removal shall follow the following general requirements:

1. Steel window lintels to remain shall be stripped of all paint and surface ground smooth or sand blasted to meet Visual Standard No. 2, Near-White Blast Cleaned Surface Finish, of the National Association of Corrosion Engineers (NACE) due to the presence of rust, mill scale and porous paint on surface.
2. Testing has confirmed PCB >1ppm at a depth of at least 1/2 inch on the concrete sills. Exterior concrete sills shall be removed completely and disposed as Bulk PCB Remediation Waste. Removal shall be performed using mechanical tools equipped with dust controls as specified below:
    a) Exterior sill shall be removed and the underlying material is deemed to contain less than one ppm PCB. All removed material shall be disposed of as Bulk PCB Remediation Waste.
3. Once materials have been removed and surfaces cleaned Owner's Representative, to be named, shall be notified. Post testing verification sampling shall be performed once visually inspected to verify removal and cleaning.

G. Waste shall be immediately containerized in temporary 6-mil polyethylene disposal bags for disposal. These containers shall be sealed in abatement zone when full during collection and then placed in disposal containers/storage trailers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions.

H. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR Part §761.79 (b)(1)

I. All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with 40 CFR Part §761.65. All waste containers shall be appropriately marked in accordance with 40 CFR Part §761.40 and §761.45.

J. Bulk PCB Remediation Waste shall be stored for disposal in accordance with 40 CFR Part §761.65.

K. All waste containers shall be appropriately marked in accordance with 40 CFR Part §761.40 and §761.45. Marking shall include the PCB M_L marker.

3.5 CLEANING AND DECONTAMINATION

A. The Remediation Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed Verification Sampling limits established in Work Plan.

B. The Remediation Contractor shall utilize HEPA vacuum and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty products are utilized the Remediation Contractor shall utilize in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.

C. Cleaning of containment barriers shall be performed prior to removal leaving critical barriers at openings, decontamination units and negative air filtration devices in place until results of post verification sampling indicate acceptable limits. Cleaning shall be performed from ceiling to floors.

D. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with §761.60 (a).

E. All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with 40 CFR Part §761.61(a)(5)(v)(A). All waste containers shall be appropriately marked in accordance with 40 CFR Part §761.40 and §761.45.

F. Equipment to be utilized in connection with the removal of PCB Bulk Product Waste and Bulk PCB Remediation waste including waste collection or that will or may come in direct contact with the site contaminants shall be decontaminated prior to leaving the site to prevent migration of the contaminated residues from the project site. Decontamination shall be in accordance with 40 CFR Part §761.79 and Sub-part S procedures.

G. All non-disposable equipment and tools employed in the course of the project will be decontaminated at the conclusion of each work day through the following sequence:

1. Initial tap water rinse, to remove gross soil
2. Tap water and hexane or equivalent wash
3. Tap water rinse
4. Second tap water and hexane or equivalent wash
5. Second tap water rinse

H. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon barrels for off-site disposal.

3.6 CERTIFICATION OF ABATEMENT AND SAMPLING

A. The Owner shall retain an industrial hygiene firm (Owner's Authorized Representative) to perform periodic inspections and sampling during the work. Site visits shall be scheduled based on the progress of the work and at critical time periods.

B. The Owner's Authorized Representative shall perform real time monitoring for dust particulate using Dust Trak or equivalent monitoring devices for total dust. Sampling shall be performed for background for comparison to during abatement sampling. In addition, air sampling outside of the Abatement Zone, may be performed within the building interior upon completion of active removal activities at the Owner's Authorized Representative's discretion for laboratory confirmation. Air samples, if collected shall be collected using low-volume pumps for analysis using analysis method TO-10A. The number, location and frequency of samples shall be determined by the Owner's Authorized Representative.

C. It should be noted that if the results of air samples exceed established action levels or ambient background conditions for real time monitoring whichever is less the Remediation Contractor will be required to implement work stoppage to determine causes of exceeding results and as necessary utilize additional containment measures or engineering controls. Any resulting decontamination of areas beyond the Abatement Zone shall be responsibility of the Remediation Contractor.

D. The Owner's Authorized Representative shall perform post removal and decontamination visual clearance inspection, cleaning verification bulk sampling and wipe sampling as necessary to determine complete removal of PCB's. Refer to the Work Plan for requirements for determination of clearance levels.

E. Once verification sampling has documented the Abatement Zone meets required criteria established in the Work Plan, the Remediation Contractor shall be permitted to remove decontamination unit, negative air filtration devices and critical barriers. These areas shall be subjected to a visual inspection to ensure no visible dust is present.

F. The Owner's Authorized Representative may also collect additional wipe samples outside of the abatement zone and analyze these samples for PCBs. If PCBs are detected in these samples a cleaning process similar to that described above shall be implemented by the Remediation Contractor.

3.7 MARKING OF WASTE CONTAINERS

A. All waste containers must be marked with the name of the waste contained; the date in which the first material was placed in the vessel; and the last date at which addition of waste occurred. All waste containers must be marked with a PCB M_L marker.

B. All waste containers containing PCB Bulk Product Waste, Bulk PCB Remediation Waste and PCB contaminated debris, containment system components, used personnel protective equipment, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:

DOT Class 9 UN3432 (solid)
Or UN2315 (liquid) PCB Waste
RQ
Waste for Disposal

Federal law prohibits improper disposal.
If found, contact the nearest police or public safety authority or
the U.S. Environmental Protection Agency.

a. Generator's Information: _____
b. Manifest Tracking No.: _____
c. Accumulation Start Date: _____
d. EPA ID No.: _____
e. EPA Waste No.: _____
f. Total Weight: _____
g. Container No.: _____

HANDLE WITH CARE!

In addition, these containers must be marked with a PCB M_L marker.

C. Such marking must be durable, in English and printed on or affixed to the surface of the package or on a label, tag or sign; displayed on a background of sharply contrasting color; un-obscured by labels or attachments and located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

3.8 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

A. All solid waste material, containment system components, used personnel protective equipment, and other solid wastes generated during the work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT-approved 55-gallon barrels.

B. The Remediation Contractor shall be responsible for all packaging, labeling, transport, disposal and record-keeping associated with PCB or PCB contaminated waste in accordance with all federal, state and local regulations.

C. The Remediation Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.

D. The Remediation Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state and local regulations with a copy to the Owner and Owner's Authorized Representative.

E. Remediation Contractor shall maintain proper follow up procedures to assure that waste materials have been received by the designated waste site in a timely manner and in accordance with all federal, state and local regulations.

F. The Remediation Contractor shall assure that disposal of polychlorinated biphenyls (PCB) containing waste material is at a facility approved to accept such waste and shall provide a tracking/manifest form signed by the landfill's authorized representative.

G. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:

1. All roll-off containers or other similar vessels utilized shall be watertight and lined with 6-mil polyethylene sheeting or equivalent impermeable lining, and equipped with a secured and impermeable cover.
2. The impermeable cover shall remain securely in place at all times when material is not being actively placed in the vessels. The Remediation Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the site.

H. If 55-Gallon barrels are to be utilized for waste containerization, the barrels shall consists of suitable DOT-approved 55-gallon barrels that are watertight and free of corrosion, perforations, punctures, or other damage. All barrels shall be securely covered and sealed at the conclusion of each work day.

I. The waste containers shall remain staged at the site with a secure impermeable cover in place until the materials are transported from the site to be delivered to the designated disposal facility.

J. A waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work, and approved by the Owner's Authorized Representative. If this area is located outside of the building, the area (or areas) shall be surrounded by a chain-link fence with a minimum height of six feet. The fence shall be labeled with a PCB M_L marker.

K. Properly containerized waste with PCB $\geq$50 ppm must be transported by a licensed hauler and shipped as PCB Bulk Product Waste or Bulk PCB Remediation Waste for disposal at a permitted facility for PCB waste $\geq$50 ppm. As follows:

1. In an incinerator approved under 40 CFR Part §761.70.
2. In a chemical waste landfill approved under 40 CFR Part §761.75.
3. In a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

Provide required copies of the uniform waste manifests for hazardous wastes to the Owner, waste generation State and waste destination State as required.

L. Materials containing <50 ppm will be transported to one of the following facilities:

1. A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 40 CFR Part §761.258.
2. A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR Part §761. 257.5 through 257.30, as applicable.
3. A hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

Waste manifests must show chain of custody. Provide required copies of the waste shipment records for wastes to the Owner as required.

M. Any PCB Liquid Water Waste shall be properly containerized and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with 40 CFR Part §761.60 (a).

N. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB Liquid Waste. Waste must be properly decontaminated or disposed in accordance with 40 CFR Part §761.60 (a) or 40 CFR Part §761.79 (g). PCB Liquid Waste shall be transported by a licensed hauler and shipped for treatment or disposal. Provide required copies of the

uniform waste manifests for hazardous wastes to the Owner, waste generation State and waste destination State as required.

O. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to insure that no unauthorized persons have access to the material.

P. Transporters of the waste are prohibited from "back hauling" any freight after the disposition of the Owner's waste stream until decontamination of the vehicle and/or trailer is assured.

END OF SECTION

FUSS & O'NEILL
EnviroScience, LLC

Appendix B

Notification Approval Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

JUL 22 2010

Al Kelly, Chairman
Stratford School Building Committee
31 Knight Street
Norwalk, Connecticut 06851

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and 761.79(h)
Stratfield Elementary School, Fairfield, Connecticut

Dear Mr. Kelly:

This is in response to the Fairfield Public Schools (FPS) Notification[1] for approval of a proposed PCB cleanup for two (2) windows located at the Stratfield Elementary School located at 1407 Melville Avenue in Fairfield, Connecticut (the Site). The Site contains PCB caulk that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a) and § 761.62.

In its Notification, FPS has proposed the following PCB cleanup and disposal plan:

- Remove and dispose of the PCB caulk;
- Remove and dispose of PCB-contaminated concrete window sills;
- Conduct confirmatory sampling from the brick after removal of sill (10 samples per window) to verify that the PCB cleanup standard of less than or equal ($\leq$) 1 part per million (ppm) has been met;
- Decontaminate *non-porous surfaces* (i.e. steel lintels) to $\leq$ 10 µg/100 cm^2; and,
- Dispose of all wastes in a TSCA-approved disposal facility.

Based on EPA's review, the information provided in the Notification meets the requirements under 40 CFR §§ 761.61, 761.62, and 761.79(h) for removal and disposal of *PCB bulk product waste* and *PCB remediation waste*. Further, the proposed removal and disposal activities are consistent with the requirements and standards established under § 761.61(a), § 761.62, § 761.79 for similar types of PCB-contaminated materials.

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[1] Information was submitted on behalf of Fairfield Public Schools by Fuss and O'Neill Enviroscience LLC. The information was provided to satisfy the notification requirement under 40 CFR § 761.61(a). Information was submitted dated June 29, 2010 (SIP) and July 15, 2010 (emails with response to comments) and shall be referred to as the "Notification".

FPS may proceed with its cleanup in accordance with 40 CFR § 761.61(a); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens, III Director
Office of Site Remediation & Restoration

cc: Mr, Gary Trombly, CTDEP
Matthew Myers, Fuss and O'Neill
File

Attachment 1

ATTACHMENT 1

PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS
STRATFIELD ELEMENTARY SCHOOL ("the Site")
1407 MELVILLE AVENUE, FAIRFIELD, CONNECTICUT

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification.

2. The Fairfield Public Schools (FPS) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.

3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.

4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.

5. FPS must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, FPS shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.

6. FPS is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time FPS has or receives information indicating that FPS or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by FPS are authorized to conduct the activities set forth in the Notification. FPS is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release FPS from compliance with any applicable requirements of federal, state or local law; or 3) release FPS from liability for, or otherwise resolve, any violations of federal, state or local law.

NOTIFICATION AND CERTIFICATION CONDITIONS

9. This Approval may be revoked if the EPA does not receive written notification from FPS of its acceptance of the conditions of this Approval within 10 business days of receipt.

10. FPS shall submit the following information for EPA review and/or approval:

    a. A certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval; and,

    b. A certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

    c. A contractor work plan, prepared and submitted by the selected contractor(s), detailing the procedures that will be employed for removal of PCB-contaminated wastes and for containment and air monitoring during removal activities. This work plan should also include information on waste storage, handling, and disposal for each waste stream type and for equipment decontamination.

REMEDIAL and DISPOSAL CONDITIONS

11. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.

12. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:

    a. All visible residues of PCB-contaminated window caulk (i.e. *PCB bulk product waste*) shall be removed as described in the Notification.

    b. The decontamination standard for *porous surfaces* (i.e. concrete and brick) shall be less than or equal to ($\leq$ 1 part per million (ppm) PCBs. All post-decontamination verification sampling of *porous surfaces* shall be performed on a bulk basis (e.g. mg/Kg). Post-abatement confirmatory samples shall be collected in accordance with EPA's *draft* Standard Operating Procedure For Sampling Concrete in the Field, dated 12/30/97 to a maximum depth of 0.5 inches and at the frequency described in the Notification.

c. The decontamination standard for *non-porous surfaces* (i.e. metal frames) shall be less than or equal to (≤) 10 µg/100 cm^2 PCBs.

i) All post-decontamination verification sampling of *non-porous surfaces* shall be performed on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e. µg/100 cm^2) and samples shall be collected at the frequency described in the Notification.

ii) For decontaminated *non-porous surfaces* that have PCB concentrations exceeding the decontamination standard, FPS may conduct additional decontamination to achieve the required decontamination standard or must store and dispose of these wastes as TSCA-regulated waste in accordance with 40 CFR Part 761.

iii) In lieu of conducting decontamination, PCB-contaminated *non-porous surfaces* shall be stored and disposed of in accordance with 40 CFR Part 761.

d. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 and chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another method(s) is validated according to Subpart Q.

13. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:

a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).

b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).

c. PCB-contaminated water generated during decontamination or dewatering shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

14. FPS shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by FPS to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

15. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).

16. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

17. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

18. FPS shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by FPS in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

19. FPS shall submit a final report to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities; characterization and confirmation sampling analytical results, including indoor air sampling results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of and the size of the decontaminated area(s); copies of manifests; and, copies of certificates of disposal or similar certifications issued by the disposer.

20. Required submittals shall be mailed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

****

END OF ATTACHMENT 1

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

Approval Conditions

Appendix C

A) Town Notification Acceptance Letter

FAIRFIELD PUBLIC SCHOOLS

September 16, 2010

Ms. Kimberly N. Tisa
PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

RE: PCB Cleanup and Disposal Approval under CFR 40§§ 761.61(a) and 761.79(h)
Stratfield Elementary School, Fairfield, Connecticut

Dear Ms. Tisa:

We have received the PCB Cleanup and Disposal Approval for Stratfield Elementary School and accept the conditions listed.

Sincerely,

Salvatore Morabito

Salvatore Morabito
Manager of Construction, Security and Safety

c: Al Kelly

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

B) Contractor Notification Acceptance Letter

51 Ciro Road ~ North Branford, CT 06471
Phone ~ 203-488-7929 Fax ~ 203-488-66251
www.cherryhillinc.com

To: Fuss & O'Neil

Attn: Mathew Myers

Re: PCB Window Caulk Removal
Stratfield Elementary School
Fairfield, CT

Mr. Meyers,

Cherry Hill Construction is in agreement and will comply with the outlines set forth by the Environmental Protection Agency, which was received from Fuss & O'Neil pertaining to the PCB Window Caulk Removal for the Stratfield Elementary School.

If you need to discuss further please give me a call.

Respectfully,

ROBERT SANTILLO
Project Executive

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

C) Laboratory Notification Acceptance Letter

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 Fax: 860.645.0823

July 29, 2010

Kimberly N. Tisa, PCB Coordinator
US Environmental Protection Agency
5 Post Office Square, Suite 100 (OSRR07-2)
Boston, MA 02109-3912

RE:
Stratfield Elementary School
Fairfield, CT

VIA Electronic PDF

Dear Ms. Tisa:

Reference is made to your letter (the "Approval") regarding approval of a self-implementing PCB cleanup for the Stratfield Elementary School, Fairfield, CT. On behalf of Phoenix Laboratories, I certify that we have read and understood the application and agree to abide by the conditions specified in the Approval.

Very truly yours,

Phoenix Laboratories

Phyllis Shiller
Laboratory Director

CC: Kevin McCarthy, Fuss & O'Neill, Inc. (by electronic PDF)

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

D) Contractor Workplan

51 Ciro Road ~ North Branford, CT 06471
Phone ~ 203-488-7929 Fax ~ 203-488-66251
www.cherryhillinc.com

Work Plan For Removing PCB Caulking Compound

Stratfield Elementary School

1407 Melville Avenue

Fairfield, CT

Cherry Hill Construction (CHC) will perform removals of two window systems located at the Stratfield Elementary School in the rear of the building on the 1929 building off the corridors (see attached pictures) that contain PCB caulking compounds within the lintel of the exterior windows. The work will be performed in accordance with the Notification, EPA Approval Conditions and 40 CFR Part 761.

CHC will remove the existing exterior concrete window sills at the window opening and the underlying surfaces. The sills will be removed in their entirety. Listed below are the procedures that will be followed:

1. CHC workers will follow all the applicable federal and state regulations with regard to work activities, including but not limited to OSHA regulation including personal protection and respiratory protection requirements.

2. During the remediation activities, CHC will maintain control of all entrances and exists to the work zone area to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment (PPE). The work area will be properly marked with "asbestos danger signs".

3. The abatement zone will be established by applying 6 mil polyurethane on the ground to prevent debris from escaping the abatement zone and to protect areas outside of the abatement zone from PCB contamination. Protection will include the use of water applied by hose to mist the area; the 6 mil polyurethane edges will be raised to prevent water run off during the dust control phase. The 6 mil polyurethane will be securely fastened to the existing building foundation.

4. CHC will install isolation barriers on the interior side of the two window systems where the abatement work is being performed to isolate these systems to the building exterior where work shall occur. Protection shall include two layers of 6 mil polyethylene securely fastened to the inside finish surfaces of walls to isolate window or door systems to the building exterior. CHC will use negative pressure containments to minimize dust and debris by means of negative air filtration units with HEPA filtration at location of the two windows where abatement will occur on the exterior side of the windows.

Cherry Hill CONSTRUCTION

51 Ciro Road ~ North Branford, CT 06471
Phone ~ 203-488-7929 Fax ~ 203-488-66252
www.cherryhillinc.com

5. Isolation barriers will be installed on the exterior side adjacent window and door systems that are within 25 feet of the abatement, this will minimize dispersal of dust and debris. Protection will be two layers of 6 mil polyethylene sheeting attached to the existing exterior side finish surfaces of the window or door systems.

6. CHC will use 6 mil polyethylene on all other openings i.e., unit ventilation, ducts and grilles from the building that are within 25 feet of the abatement work area.

7. The 6 mil polyethylene ground protection and the isolation barriers will remain in place throughout the work to collect dust and debris resulting from PCB removals. All debris generated during operations including but not limited to visible caulking, dust and debris will be HEPA vacuumed continuously throughout the work time and at the end of the work time to avoid accumulation. The 6 mil polyethylene will be checked at the end of each work day and replaced if there are rips or tears.

8. CHC will incorporate a 2 person man-lift within the 6 mil polyurethane work containment. This exterior polyurethane containment will consist of 2'x 4' wood corner post and wood furring cross beams (sections) which the 6 mil polyurethane will be attached to by means of staples, wire and spray glue. Wind screens consisting of 6 mil polyethylene will be applied to the man-lift to prevent dispersal of dust and debris beyond the abatement zone. The 2 person man-lift will stay within the containment until the PCB removals are complete. At this point the 2 person man-lift will then be cleaned, encapsulated and cleared within the containment along with the windows.

9. Upon completion of the PCB caulking as outlined within this plan CHC will remove the concrete window sills completely under the same containment, using a small chipping hammer and caulk gun. The concrete window sills will be disposed of within the same container as the PCB caulking, 20 cubic yard container as outlined within this plan.

10. Upon completion of the PCB caulking and the concrete window sills as outlined in this plan. CHC will then remove the complete window/glazing system by means of cutting the frame away from the brick with a sawzall. The complete window system will be disposed of within the 20 cubic yard container as outlined within this plan.

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Phone ~ 203-488-7929 Fax ~ 203-488-66253
www.cherryhillinc.com

11. Upon completion of the PCB caulking, the concrete window sills and the window/glazing system complete, CHC will then decontaminate the remaining steel lintel under the same containment as outlined in this plan. CHC will use hand scrapers, scrubbie pads and small hand held grinders to remove all, if any, hazardous materials/PCB within the steel lintel. Upon inspection by the hygienist along with clearance CHC will then remove the containment and dispose of the 6 mil polyethylene in double black 6 mil bags, place a generator label on each bag identifying the location/origin and place these bags for disposal in the 20 cubic yard container as outlined within this plan

12. Any mechanical cutting equipment that will be used in the removal of the PCB caulking i.e., caulk cutter, grinder, etc will be equipped with appropriate dust collection devices.

13. All adjacent surfaces that are near the PCB removal will be properly decontaminated upon completing the removal of PCB caulking. Any residue dust or visible dust will be removed using HEPA vacuums and wet cleaning methods with approved solvent.

14. CHC will place PCB waste containers adjacent to the abatement work zone, the containers will be double lined, covered and secured. The PCB waste containers will be properly marked as described in 40 CFR part 761.45.

15. The PCB containing materials, any lead and asbestos materials generated from the two (2) window system removals will be disposed of at Environmental Quality (EQ) which is located in Wayne Michigan.

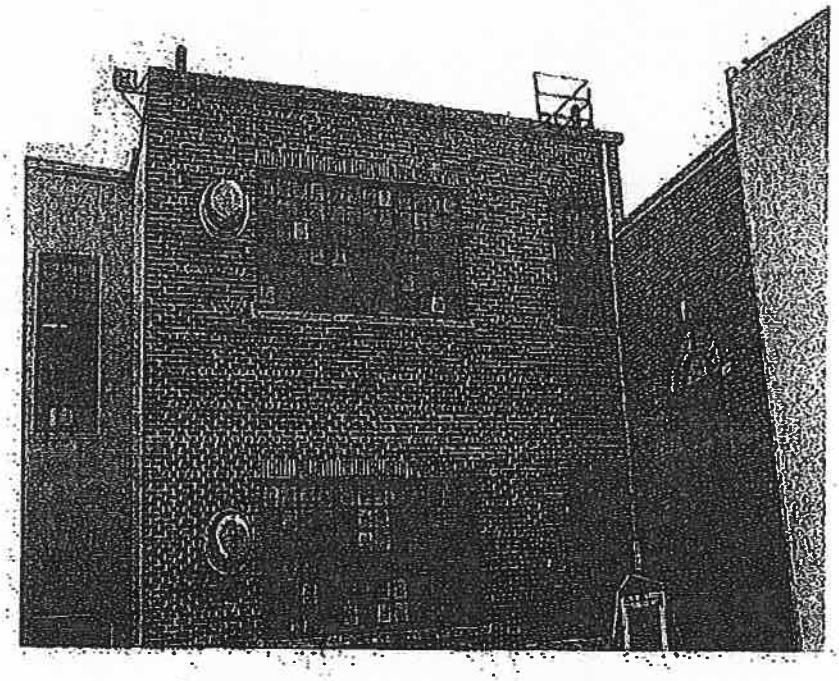
16. CHC will supply proper manifest from Environmental Quality upon receipt and worker certification paperwork upon completion of the PCB caulk removal activities.

Respectfully submitted,

Robert Santillo

ROBERT SANTILLO
Project Executive

Cherry Hill Construction
51 Ciro Road
North Branford, CT 06471



Rear Elevation - Original 1929 Building

FUSS & O'NEILL
EnviroScience, LLC

Appendix D

Analytical Results

FUSS & O'NEILL
EnviroScience, LLC

Appendix D

A) Bulk Verification Sampling Results

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36929

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 08-1ST FLR BOTTOM RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	95		%	08/24/10		MH	3540C/8082
% TCMX	88		%	08/24/10		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
August 26, 2010

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146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36930

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 09-1ST FLR BOTTOM MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	1.4	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	118		%	08/24/10		MH	3540C/8082
% TCMX	76		%	08/24/10		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36931

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 10-1ST FLR BOTTOM LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	109		%	08/24/10		MH	3540C/8082
% TCMX	92		%	08/24/10		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36932

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 11-1ST FLR RIGHT BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	08/24/10		MH	3540C/8082
% TCMX	73		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 11-1ST FLR RIGHT BOTTOM

Phoenix I.D.: AZ36932

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36933

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 12-1ST FLR RIGHT TOP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	08/24/10		MH	3540C/8082
% TCMX	96		%	08/24/10		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36934

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 13-1ST FLR LEFT BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	0.71	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	120		%	08/24/10		MH	3540C/8082
% TCMX	86		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 13-1ST FLR LEFT BOTTOM

Phoenix I.D.: AZ36934

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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August 24, 2010

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Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36935

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 14-1ST FLR LEFT TOP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	0.4	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	08/24/10		MH	3540C/8082
% TCMX	104		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 14-1ST FLR LEFT TOP

Phoenix I.D.: AZ36935

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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Phyllis Shiller, Laboratory Director
August 26, 2010

PHOENIX

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36936

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 15-1ST FLR TOP LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	125		%	08/24/10		MH	3540C/8082
% TCMX	72		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 15-1ST FLR TOP LEFT

Phoenix I.D.: AZ36936

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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August 24, 2010

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146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36937

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 16-1ST FLR TOP MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	126		%	08/24/10		MH	3540C/8082
% TCMX	112		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 16-1ST FLR TOP MIDDLE

Phoenix I.D.: AZ36937

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36938

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 17-1ST FLR TOP RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	136		%	08/24/10		MH	3540C/8082
% TCMX	98		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 17-1ST FLR TOP RIGHT

Phoenix I.D.: AZ36938

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
August 26, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36939

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 18-2ND FLR BOTTOM RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	08/24/10		MH	3540C/8082
% TCMX	100		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 18-2ND FLR BOTTOM RIGHT

Phoenix I.D.: AZ36939

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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Phyllis Shiller, Laboratory Director
August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36940

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 19-2ND FLR BOTTOM MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.32	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	08/24/10		MH	3540C/8082
% TCMX	98		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 19-2ND FLR BOTTOM MIDDLE

Phoenix I.D.: AZ36940

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

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August 26, 2010

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36941

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 20-2ND FLR BOTTOM LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	08/24/10		MH	3540C/8082
% TCMX	92		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 20-2ND FLR BOTTOM LEFT

Phoenix I.D.: AZ36941

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36942

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 21-2ND FLR LEFT BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	123		%	08/24/10		MH	3540C/8082
% TCMX	98		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 21-2ND FLR LEFT BOTTOM

Phoenix I.D.: AZ36942

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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FOR: Attn: Mr. Matt Myers
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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36943

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 22-2ND FLR LEFT TOP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	08/24/10		MH	3540C/8082
% TCMX	90		%	08/24/10		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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Phyllis Shiller, Laboratory Director
August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36944

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 23-2ND FLR RIGHT BOTTOM

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	08/24/10		MH	3540C/8082
% TCMX	106		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 23-2ND FLR RIGHT BOTTOM

Phoenix I.D.: AZ36944

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36945

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 24-2ND FLR RIGHT TOP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	109		%	08/24/10		MH	3540C/8082
% TCMX	96		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 24-2ND FLR RIGHT TOP

Phoenix I.D.: AZ36945

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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August 26, 2010

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Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36946

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 25-2ND FLR TOP RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	08/24/10		MH	3540C/8082
% TCMX	116		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 25-2ND FLR TOP RIGHT

Phoenix I.D.: AZ36946

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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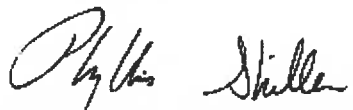

Phyllis Shiller, Laboratory Director
August 26, 2010

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report
August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36947

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 26-2ND FLR TOP MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	136		%	08/24/10		MH	3540C/8082
% TCMX	89		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 26-2ND FLR TOP MIDDLE

Phoenix I.D.: AZ36947

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	BULK
Location Code:	F&O-PCB
Rush Request:	RUSH24
P.O.#:	20072231.A5E

Custody Information

		Date	Time
Collected by:			
Received by:	LDF	08/23/10	11:00
Analyzed by:	see "By" below	08/23/10	13:49

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36948

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 27-2ND FLR TOP LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/24/10		JL	E160.3
Extraction for PCB	Completed			08/23/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/24/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	125		%	08/24/10		MH	3540C/8082
% TCMX	104		%	08/24/10		MH	3540C/8082

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 27-2ND FLR TOP LEFT

Phoenix I.D.: AZ36948

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

100 % SOLID ASSUMED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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QA/QC Report

August 26, 2010

QA/QC Data

SDG I.D.: GAZ36922

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 159480, QC Sample No: AZ34535 (AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928)							
Polychlorinated Biphenyl							
PCB-1016	ND	98	126	25.0			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	109	3.7			
PCB-1262	ND						
PCB-1268	ND						
% DCPB (Surrogate Rec)	134	129	119	8.1			
% TCMX (Surrogate Rec)	91	90	91	1.1			
Comment:							
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.							
QA/QC Batch 159860, QC Sample No: AZ36534 (AZ36929, AZ36930, AZ36931, AZ36932)							
Polychlorinated Biphenyls							
PCB-1016	ND	99	102	3.0	102		
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	98	101	3.0	133		
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	97	93	94	1.1	81		
% TCMX (Surrogate Rec)	83	78	78	0.0	76		
QA/QC Batch 159942, QC Sample No: AZ37051 (AZ36933, AZ36934, AZ36935, AZ36936, AZ36937, AZ36938, AZ36939, AZ36940, AZ36941, AZ36942, AZ36943, AZ36944, AZ36945, AZ36946, AZ36947, AZ36948)							
Polychlorinated Biphenyls							
PCB-1016	ND	110	112	1.8	106	113	6.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	104	104	0.0	140	142	1.4
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	110	106	105	0.9	96	91	5.3
% TCMX (Surrogate Rec)	92	82	82	0.0	79	81	2.5

QA/QC Data

SDG I.D.: GAZ36922

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
August 26, 2010

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-PCB

Project Location: STRATFIELD SCHOOL **Project Number:**

Laboratory Sample ID(s): AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928, AZ36929, AZ36930, AZ36931, AZ36932, AZ36933, AZ36934, AZ36935, AZ36936, AZ36937, AZ36938, AZ36939, AZ36940, AZ36941, AZ36942, AZ36943, AZ36944, AZ36945, AZ36946, AZ36947, AZ36948

Sampling Date(s): 8/23/2010

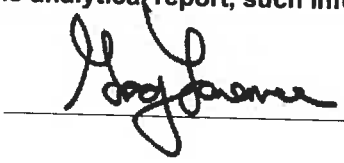
RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Thursday, August 26, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

Nov 2007

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 26, 2010

SDG I.D.: GAZ36922

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 08/24/10-1 (AZ36925, AZ36926, AZ36930, AZ36934, AZ36936, AZ36938, AZ36943, AZ36947)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd5 08/24/10-1 (AZ36927, AZ36928, AZ36931, AZ36932, AZ36935, AZ36940, AZ36942, AZ36948)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd6 08/24/10-1 (AZ36929)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd7 08/24/10-1 (AZ36929, AZ36933, AZ36937, AZ36941, AZ36945)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

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RCP Certification Report

August 26, 2010

SDG I.D.: GAZ36922

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd8 08/24/10-1 (AZ36922, AZ36923, AZ36924, AZ36939, AZ36944, AZ36946)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

QC Comments: QC Batch 59480 08/16/10 (AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: PCB-1016

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☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

24P NC

CHAIN-OF-CUSTODY RECORD 21318

Page 1 of 3

Turnaround
☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: STRATFIELD SCHOOL
PROJECT LOCATION: FAIRFIELD, CT
PROJECT NUMBER: 20072231.ASE
LABORATORY: PHOENIX
REPORT TO: MATT MYERS
INVOICE TO: MATT MYERS
P.O. NO.: 20072231 ASE
Sampler's Signature: [signature] Date: 8/23/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other WIPE XX. BULK BRICK

Analysis Request: PCBs (8082)

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container (8) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Comments
1	✓				8.23.JR 01 - 2ND FLR Right	X	8/23/07	1110	36922
2	✓				02 - 2ND FLR Middle	X			36923
3	✓				03 - 2ND FLR LEFT	X			36924
4	✓				04 1ST FLR LEFT	X			36925
5	✓				05 1ST FLR Middle	X			36926
6	✓				06 1ST FLR Right	X			36927
7	✓				07 blank	X			36928
8	✓				08 1ST FLR Bottom Right XX				36929
9	✓				09 1ST FLR Bottom Middle XX				36930
10	✓				10 1ST FLR Bottom Left XX				36931

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]		
2	[signature]	Lisa Fan	8/23	13:45
3				
4				

Reporting and Detection Limit Requirements:
WIPE = Reporting Limit 1ug, Chip = Reporting Limit - 1000 ug

Additional Comments:
Email Results mmyers@fando.com

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☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

24° MC

CHAIN-OF-CUSTODY RECORD 21319

Pg 2 of 3

Turnaround
☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Stratfield School
PROJECT LOCATION: Fairfield, CT
PROJECT NUMBER: 20072231.A5E
LABORATORY: Phoenix

REPORT TO:
INVOICE TO:
P.O. NO.:
Sampler's Signature: K. McCarthy Date: 8/23/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X=Wipe XX=Bulk Chip

Analysis Request: PCBs (8082)

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] Na_2SO_3; Glass Soil Container: (4) oz; Glass Soil Container: ( ) oz; Other:; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) mL [ ] As is [ ] HCl; Plastic - As is, [ ] 250 ml [ ] As is [ ] H_2SO_4; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - HNO_3, 250 ml [ ] 500 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Comments
11	✓				823SR 11 - 1st Flr Right Bottom	XX	8/13/10	1100	316932
12	✓				12 1st Flr Right Top				316933
13	✓				13 1st Flr Left Bottom				316934
14	✓				14 1st Flr Left Top				316935
15	✓				15 1st Flr Top Left				316936
16	✓				16 1st Flr Top Middle				316937
17	✓				17 1st Flr Top Right				316938
18	✓				18 2nd Flr Bottom Right				316939
19	✓				19 2nd Flr Bottom Middle				316940
20	✓				20 2nd Flr Bottom Left				316941

Transfer Number	Relinquished By	Accepted By	Date	Time
1	K. McCarthy		8/13/10	1700
2		J. O'Rourke	8/23	13:49
3				
4				

Reporting and Detection Limit Requirements: See Page 1

Additional Comments:

240 NK

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☐ 24 Madison Avenue Extension, Albany, NY 12203

☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other ______

CHAIN-OF-CUSTODY RECORD 17796

Page 3 of 3

Turnaround: ☑ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ Standard (____ days) ☐ Other ____ (days) *Surcharge Applies

PROJECT NAME: Stratfield School
PROJECT LOCATION: Fairfield, Ct
PROJECT NUMBER: 20072231.A5E
LABORATORY: Phoenix

REPORT TO:
INVOICE TO:
P.O. NO.:

Sampler's Signature: [signature] Date: 8/23/10

Source Codes: MW=Monitoring Well, SW=Surface Water, PW=Potable Water, T=Treatment Facility, S=Soil, B=Sediment, W=Waste, A=Air, X=Other X = Wipe, XX = Bulk Chip

Analysis Request: PCBs (8082)

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other: [ ] Na2SO4; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H2SO4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H2SO4, [ ] 250 ml [ ] 500 ml; Plastic - HNO3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1 2 3 4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082)	Glass Soil Container (4 oz)	Comments
21		823 JR 21 2nd FLR Left Bottom	XX	8/23/10	1100	✓	1	36942
22		22 2nd FLR Left Top	|	|	|	✓	1	36943
23		23 2nd FLR Right Bottom	|	|	|	✓		36944
24		24 2nd FLR Right Top	|	|	|	✓	1	36945
25		25 2nd FLR Top Right	|	|	|	✓	1	36946
26		26 2nd FLR Top Middle	|	|	|	✓	1	36947
27		27 2nd FLR Top Left	|	|	|	✓	1	36948
							1	

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	8/23	13:49
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
56 Quarry Road
Trumbull, CT 06611

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	08/26/10	9:30
Location Code:	F&O-PCB	Received by:	LDF	08/26/10	11:30
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ38323
Phoenix ID: AZ38323

Project ID: STRATFIELD SCHOOL
Client ID: 0826JR01 1ST FL WINDOW BOTTOM MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	08/26/10		JL	E160.3
Extraction for PCB	Completed			08/26/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/27/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	08/27/10		MH	3540C/8082
% TCMX	91		%	08/27/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 30, 2010

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 30, 2010

QA/QC Data

SDG I.D.: GAZ38323

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 160175, QC Sample No: AZ38215 (AZ38323)							
Polychlorinated Biphenyls							
PCB-1016	ND	116	127	9.1			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	101	104	2.9			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	102	104	107	2.8			
% TCMX (Surrogate Rec)	89	84	87	3.5			

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
August 30, 2010

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-PCB

Project Location: STRATFIELD SCHOOL **Project Number:**

Laboratory Sample ID(s): AZ38323

Sampling Date(s): 8/26/2010

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☐ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Monday, August 30, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 30, 2010

SDG I.D.: GAZ38323

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 08/26/10-1 (AZ38323)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/26/2010

Instrument: Au-ecd6 08/27/10-1 (AZ38323)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/27/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 30C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name Lisa Farr
Position: Login
Date: 8/30/2010 1:57:46 PM

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RCP Certification Report

August 30, 2010

SDG I.D.: GAZ38323

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(860) 646-2469 • www.FandO.com

- ☐ 146 Hartford Road, Manchester, CT 06040
- ☒ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other 30

CHAIN-OF-CUSTODY RECORD 21323

Turnaround
☒ 1 Day* ☐ 3 Days* ☐ Other ____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Stratfield School
PROJECT LOCATION: Fairfield
PROJECT NUMBER: 20072231.ASE
LABORATORY: Phoenix

REPORT TO: MattMyers@
INVOICE TO: Matt Myers
P.O. No.: 20072231.ASE
Sampler's Signature: [signature] Date: 8/26/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other Brick Chip Sample

Analysis Request: PCB's 8082

Containers:
- Soil VOA Vial, [ ] methanol
- Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$
- Glass Soil Container (4) oz
- Glass Soil Container ( ) oz
- Other:
- Water VOA Vial, [ ] As is [ ] HCl
- Glass Amber ( ) ml, [ ] As is [ ] 250 ml [ ] 500 [ ] H_2SO_4
- Plastic - As is, [ ] 250 ml [ ] 500 ml [ ] 1000 ml
- Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml
- Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered
- Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] 250 ml [ ] 500 [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 ml [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					1st Flr. Window-Bottom Middle 0826SRO	X	8/26/10	9:30 am												388323

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Judith Wheeler	8/26/10	1130
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Email to MMyers@FandO.com

FUSS & O'NEILL
EnviroScience, LLC

Appendix D

B) Wipe Verification Sampling Results

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36922

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 01-2ND FLR RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	80		%	08/24/10		MH	SW8082
% TCMX	6.4*		%	08/24/10		MH	SW8082

Comments:

* Poor surrogate recovery was observed. Insufficient sample for re-extraction.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36923

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 02-2ND FLR MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	2.6	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	>130		%	08/24/10		MH	SW8082
% TCMX	55		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36924

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 03-2ND FLR LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	3.1	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	>130		%	08/24/10		MH	SW8082
% TCMX	74		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36925

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 04-1ST FL LEFT

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	6.1	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	>130		%	08/24/10		MH	SW8082
% TCMX	103		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36926

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 05-1ST FL MIDDLE

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	5.9	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	120		%	08/24/10		MH	SW8082
% TCMX	83		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36927

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 06-1ST FLR RIGHT

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	5.2	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	112		%	08/24/10		MH	SW8082
% TCMX	87		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 24, 2010

FOR: Attn: Mr. Matt Myers
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		08/23/10	11:00
Location Code:	F&O-PCB	Received by:	LDF	08/23/10	13:49
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20072231.A5E				

Laboratory Data

SDG ID: GAZ36922
Phoenix ID: AZ36928

Project ID: STRATFIELD SCHOOL
Client ID: 823JR 07-BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			08/23/10		BB/E	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1221	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1232	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1242	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1248	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1254	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1260	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1262	ND	1.0	ug	08/24/10		MH	SW8082
PCB-1268	ND	1.0	ug	08/24/10		MH	SW8082
QA/QC Surrogates							
% DCBP	107		%	08/24/10		MH	SW8082
% TCMX	94		%	08/24/10		MH	SW8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 26, 2010

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 26, 2010

QA/QC Data

SDG I.D.: GAZ36922

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 159480, QC Sample No: AZ34535 (AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928)							
Polychlorinated Biphenyl							
PCB-1016	ND	98	126	25.0			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	109	3.7			
PCB-1262	ND						
PCB-1268	ND						
% DCPB (Surrogate Rec)	134	129	119	8.1			
% TCMX (Surrogate Rec)	91	90	91	1.1			
Comment:							
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.							
QA/QC Batch 159860, QC Sample No: AZ36534 (AZ36929, AZ36930, AZ36931, AZ36932)							
Polychlorinated Biphenyls							
PCB-1016	ND	99	102	3.0	102		
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	98	101	3.0	133		
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	97	93	94	1.1	81		
% TCMX (Surrogate Rec)	83	78	78	0.0	76		
QA/QC Batch 159942, QC Sample No: AZ37051 (AZ36933, AZ36934, AZ36935, AZ36936, AZ36937, AZ36938, AZ36939, AZ36940, AZ36941, AZ36942, AZ36943, AZ36944, AZ36945, AZ36946, AZ36947, AZ36948)							
Polychlorinated Biphenyls							
PCB-1016	ND	110	112	1.8	106	113	6.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	104	104	0.0	140	142	1.4
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	110	106	105	0.9	96	91	5.3
% TCMX (Surrogate Rec)	92	82	82	0.0	79	81	2.5

QA/QC Data

SDG I.D.: GAZ36922

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
August 26, 2010

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-PCB

Project Location: STRATFIELD SCHOOL **Project Number:**

Laboratory Sample ID(s): AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928, AZ36929, AZ36930, AZ36931, AZ36932, AZ36933, AZ36934, AZ36935, AZ36936, AZ36937, AZ36938, AZ36939, AZ36940, AZ36941, AZ36942, AZ36943, AZ36944, AZ36945, AZ36946, AZ36947, AZ36948

Sampling Date(s): 8/23/2010

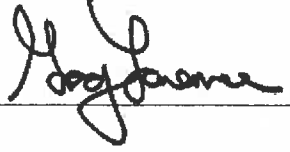
RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Thursday, August 26, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 26, 2010

SDG I.D.: GAZ36922

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 08/24/10-1 (AZ36925, AZ36926, AZ36930, AZ36934, AZ36936, AZ36938, AZ36943, AZ36947)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd5 08/24/10-1 (AZ36927, AZ36928, AZ36931, AZ36932, AZ36935, AZ36940, AZ36942, AZ36948)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd6 08/24/10-1 (AZ36929)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd7 08/24/10-1 (AZ36929, AZ36933, AZ36937, AZ36941, AZ36945)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 26, 2010

SDG I.D.: GAZ36922

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

Instrument: Au-ecd8 08/24/10-1 (AZ36922, AZ36923, AZ36924, AZ36939, AZ36944, AZ36946)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/24/2010

QC Comments: QC Batch 59480 08/16/10 (AZ36922, AZ36923, AZ36924, AZ36925, AZ36926, AZ36927, AZ36928)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: PCB-1016

24P NC

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- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 21318

Turnaround
☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
STRATFIELD SCHOOL	Fairfield, CT	20072231.ASE	PHOENIX

REPORT TO: MATT MYERS
INVOICE TO: MATT MYERS
P.O. NO.: 20072231.ASE
Sampler's Signature: [signature] Date: 8/23/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other WIPE XX - BULK BRICK

Analysis Request / Containers

Item No.	Transfer Check 1 2 3 4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082)	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] HCl	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1	✓	8/23 JR 01 - 2nd Flr Right	X	8/23/07	1130	✓			1									36922
2	✓	02 - 2nd Flr Middle	X			✓			1									36923
3	✓	03 - 2nd Flr Left	X			✓			1									36924
4	✓	04 1st Flr Left	X			✓			1									36925
5	✓	05 1st Flr Middle	X			✓			1									36926
6	✓	06 1st Flr Right	X			✓			1									36927
7	✓	07 blank	X			✓			1									36928
8	✓	08 1st Flr Bottom Right XX				✓				1								36929
9	✓	09 1st Flr Bottom Middle XX				✓				1								36930
10	✓	10 1st Flr Bottom Left XX				✓				1								36931

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]		
2	[signature]	[signature] Lisa Fan	8/23	13:45
3				
4				

Reporting and Detection Limit Requirements:
WIPE = Reporting Limit 1ug, Chip = Reporting Limit - 1000 ug
Additional Comments:
Email Results request MMyers@fando.com

24° MC

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☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 330, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other ______

CHAIN-OF-CUSTODY RECORD 21319

Pg 2 of 3

Turnaround: ☑ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ Standard (____ days) ☐ Other ______ (days) *Surcharge Applies

PROJECT NAME: Stratfield School
PROJECT LOCATION: Fairfield, CT
PROJECT NUMBER: 20072231.A5E
LABORATORY: Phoenix

REPORT TO:
INVOICE TO:
P.O. NO.:
Sampler's Signature: L McCarthy Date: 8/23/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X=Wipe X4 = Bulk Chip

Analysis Request: PCBs (8082)

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz [ ] Na(SO₃)₂; Glass Soil Container ( ) oz; Other:; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H₂SO₄; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H₂SO₄, [ ] 250 ml [ ] 500 ml; Plastic - HNO₃, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082)	Glass Soil Container (4) oz	Comments
11	✓				825TR 11 - 1st Flr Right Bottom	X4	8/13/10	1100	✓	1	316932
12	✓				12 1st Flr Right Top	|	|	|	✓	1	316933
13	✓				13 1st Flr Left Bottom	|	|	|	✓	1	316934
14	✓				14 1st Flr Left Top	|	|	|	✓	1	316935
15	✓				15 1st Flr Top Left	|	|	|	✓	1	316936
16	✓				16 1st Flr Top Middle	|	|	|	✓	1	316937
17	✓				17 1st Flr Top Right	|	|	|	✓	1	316938
18	✓				18 2nd Flr Bottom Right	|	|	|	✓	1	316939
19	✓				19 2nd Flr Bottom Middle	|	|	|	✓	1	316940
20	✓				20 2nd Flr Bottom Left	|	|	|	✓	1	316941

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L McCarthy	[signature]	8/23/10	1100
2	[signature]	[signature] Phoenix	8/23	13:49
3				
4				

Reporting and Detection Limit Requirements: See Page 1

Additional Comments:

24°NC

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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 17796

Page 3 of 3

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Stratfield Store
PROJECT LOCATION: Fairfield, CT
PROJECT NUMBER: 20072231.A5E
LABORATORY: Phoenix

REPORT TO:
INVOICE TO:
P.O. No.:
Sampler's Signature: [signature] Date: 8/23/10

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X = Wipe XX = Bark Chip

Analysis Request

Containers

Item No.	Transfer Check 1 2 3 4	Sample Number	Source Code	Date Sampled	Time Sampled	RCP (8082)	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H2SO4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H2SO4, [ ] 250 ml [ ] 500 ml	Plastic - HNO3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
21		823 JR 21 2nd FLR Left Bottom	XX	8/23/10	1100	/			1									36942
22		22 2nd FLR Left Top				/			1									36943
23		23 2nd FLR Right Bottom				/			1									36944
24		24 2nd FLR Right Top				/			1									36945
25		25 2nd FLR Top Right				/			1									36946
26		26 2nd FLR Top Middle				/			1									36947
27		27 2nd FLR Top Left				/			1									36948

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]		
2			8/23	13:49
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

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EnviroScience, LLC

Appendix E

Uniform Hazardous Waste Manifest

D033745060

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTCESQG99999

2. Page 1 of 2

3. Emergency Response Phone: (203)410-2183

4. Manifest Tracking Number: 007637369 JJK

5. Generator's Name and Mailing Address:
CHERRY HILL CONSTRUCTION & DEM
51 CIRO ROAD NORTH BRANFORD, CT 06471
Generator's Phone: (203)488-7929

Generator's Site Address (if different than mailing address):
1407 MELVILLE AVE
FAIRFIELD, CT 06825

6. Transporter 1 Company Name: CHERRY HILL CONSTRUCTION & DEM
U.S. EPA ID Number: ~~NA~~ NONE REQUIRED

7. Transporter 2 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

8. Designated Facility Name and Site Address:
CLEAN HARBORS ~~OF CONNECTICUT~~, LLC
~~51 BRODERICK ROAD~~ ~~BRISTOL, CT 06010~~
1672 EAST HIGHLAND RD.
TWINSBURG, OHIO 44087
Facility's Phone: (330)425-3825 ERIC C.
U.S. EPA ID Number: OHD 986975399

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls, solid, 9, PGIII	1	DM	109 ~~360~~	K	CR01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH484044 WID: 45137
UNIQUE ID 030911 Out of Service 3-9-11

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Robert Sachs. CHERRY HILL CONSTRUCTION & DEM
Signature: [signature]
Month Day Year: 03 09 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Howard Sachs
Signature: [signature]
Month Day Year: 3 9 11

Transporter 2 Printed/Typed Name: Denise Bujak as agent for
Signature: Denise Bujak
Month Day Year: 03 09 11

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
1) Actual wt rec'd 109 kg (ad)
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: AMANDA DELENSKI
Signature: [signature]
Month Day Year: 04 03 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Appendix F

Remediation Contractor's Paperwork

Date: 8-19-10

Roman Korpowski
John Korpowski
Michael Tosino
Wieslaw Sudnicki
Roman Rajdaszka
Ed Lawski

Date: 8-20-10

Roman Korpowski
John Korpowski
Michael Tusino
✓ Wieslaw Sudnicki
Roman Rajdaszka
✓ Edward Lawski

Date: 8-21-10

Roman Korpowski
John Korpowski
Michael Tusino
Wieslaw Sudnicki
Roman Rajdaszka
Ed Lawski

Date: 8-23-10

Roman Karpowski
John Karpowski
Michael Tusino
Wieslaw Sudnick
Roman Rajdaszka
Ed Lawski

Date: 8-24-10

Roman Korpowski
John Korpowski
Michael Tusino
Wieslaw Sudnick
Roman Rajdaszka
Ed Lawski

Date: 8-25-10

Roman Korpowski
John Korpowski
Michael Tusino
Wieslaw Sudnicki
Roman Rajdaszka
Ed Lewski

Date: 8-26-10

Ed Lawski
Hubert Jadczak
Marek Twarek
Weslaw Sudnicki
Michal Herubiew

August 19, 2010

Thursday

PROJECT: STRATFIELD ELEMENTARY SCHOOL

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	crew on site
	building exterior wood containment from upper window area
8 00	
9 00	
	break
10 00	resume work
11 00	
12 pm	lunch
	resume work building exterior window containment
1 00	
2 00	
3 00	
	secure site; crew off site
4 00	
5 00	
6 00	

TaskPad

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- [ ]
- [ ]

Notes

August 20, 2010

Friday

PROJECT: STRATFIELD ELEMENTARY SCHOOL

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	crew on site
	continue building exterior window containment
8 00	
9 00	break
	resume work
10 00	
11 00	shop truck dellevery of additional soft material
12 pm	lunch
	resume work
1 00	
2 00	
3 00	crew off site; secure site
4 00	
5 00	
6 00	

TaskPad

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Notes

August 21, 2010

Saturday

PROJECT: STRATFIELD ELEMENTARY SCHOOL

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	crew on site; hook up exterior decon, water and heater
	begin exterior removals
8 00	
9 00	
	break
10 00	resume work; continue exterior brick removal and window caulk
11 00	
12 pm	lunch
	resume work
1 00	
2 00	
3 00	
4 00	crew off site; secure site
5 00	
6 00	

TaskPad

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- [ ] .

Notes

August 23, 2010

Monday

PROJECT: STRATFIELD ELEMENTARY SCHOOL

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	crew on site; continue removals
	check exterior containment for breaches, none found; walkaround review
8 00	
9 00	break
	continue removals
10 00	
11 00	vac areas; wipe down poly walls; bag out material
12 pm	
	lunch
1 00	
2 00	bag out complete; lock down area
3 00	
4 00	crew off site; secure site
5 00	
6 00	

TaskPad

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Notes

August 24, 2010
Tuesday

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	
8 00	crew on site remove addtional courses of brick around window
9 00	
10 00	lunch resume work removals
11 00	
12 pm	lunch resume work, vac and wipe window area
1 00	
2 00	
3 00	crew off site
4 00	
5 00	
6 00	

TaskPad

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Notes

August 25, 2010
Wednesday

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	
8 00	Crew on site
9 00	Break
10 00	
	Begin tear down of containment
11 00	
12 pm	Lunch
	Resume work tear down bag poly
1 00	
2 00	
3 00	
4 00	Off site
5 00	
6 00	

TaskPad

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Notes

August 26, 2010

Thursday

August 2010

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2010

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7 am	Crew on site remove wood, etc from window
8 00	
9 00	Break
	Back to work clean back of school area tear down
10 00	
11 00	
12 pm	lunch
	resume work in back of school area
1 00	
2 00	
3 00	Removal of items final
	crew off site
4 00	
5 00	
6 00	

TaskPad

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- ☐ .
- ☐ .

Notes

PO#_____

AIR SAMPLING / NIOSH METHOD 7400 SAMPLE RECORD

Hill.Y_N_
Faxed___
Called___
Logged___

Sample Source_____ Job #_____

Sampled by_____ Date Sampled_____ Customer Name [redacted]

Analyst_____ Date Received_____ Date Tested_____

Sample #/ Description	Time Start	Time End	Flow l/m Start	Flow l/m End	Liters	f/ flds	f/ mm2	f/cc	LOD f/cc
Date: 8-21-12 Mask: NORTH Name: Krpanski K SS# Code: Task: 25,26	8:30	9:00	2.4	2.4					
Date: 8-21-12 Mask: NORTH Name: Krpanski K SS# Code: Task: 25,26	9:00	3:20	2.4	2.1					
Date: 8-21-12 Mask: NORTH Name: Jusino M SS# Code: Task: 25,26	7:00	7:30	2.5	2.5					
Date: 8-21-12 Mask: NORTH Name: Jusino M. SS# Code: Task: 25,26	7:30	11:10	2.5	2.3					
Date: Mask: Name: SS# Code: Task:									

Report Reviewed by_____ Date_____ Blank(s) Received? Y___N___

Field Blanks { Reference Slide #:
Laboratory Blank

Project Stratfield Elementary School

Location_____

Foreman Ed Lawlor

Superintendent Ed

Sample Codes:
1-Personal
2-Work Area
3-Outside Area
4-Final Clearance
5-Excursion

I, Ed _____, hereby swear that all information on this form is true and if applicable all personal air samples were worn by employees as listed above.

PO#_____

AIR SAMPLING / NIOSH METHOD 7400 SAMPLE RECORD

Hill.Y_N_
Faxed___
Called___
Logged___

Sample Source_____ Job #_____

Sampled by_____ Date Sampled_____ Customer Name [redacted]

Analyst_____ Date Received_____ Date Tested_____

Sample #/ Description	Time Start	Time End	Flow l/m Start	Flow l/m End	Liters	f/ flds	f/ mm2	f/cc	LOD f/cc
Date: 8-23-10 Mask: NORTH Name: Jusko M SS# Code: Task: 49,50	7 50	8 20	2.4	2.4					
Date: 8-23-10 Mask: NORTH Name: Jusko M SS# Code: Task: 49,50	8 20	3 25	2.4	2.1					
Date: 8-23-10 Mask: NORTH Name: Korpowsk J SS# Code: Task: 49,50	7 10	7 40	2.5	2.5					
Date: 8-23-10 Mask: NORTH Name: Korpowsk J SS# Code: Task: 49,50	7 40	10 00	2.5	2.3					
Date: Mask: Name: SS# Code: Task:									

Report Reviewed by_____ Date_____ Blank(s) Received? Y___N___

Field Blanks / Laboratory Blank { _____ _____ Reference Slide #:

Project Stratfield Elementary School

Location_____

Foreman Ed Lawski

Superintendent_____

Sample Codes:
1-Personal
2-Work Area
3-Outside Area
4-Final Clearance
5-Excursion

I, Ed L, hereby swear that all information on this form is true and if applicable all personal air samples were worn by employees as listed above.

D

FULL BOX

Stratfield Elementary School

CASSETTE BOX—
TOP L. CORNER

54,53 2 17/100 (41)	48,47 EXC 6/100 (42)	25,26 EXC 6/100 (43)	27,28 1 6/100 (44)	37,38 1 6/108 (45)	35,36 2 6/100 (46)	35,36 EXC 12/100 (47)	41,42 2 6/100 (48)	45,46 EXC 2/100 (49)	EXC 9/100 (50)
32,31 1 8.5/100 (31)	48,47 2 5/100 (32)	25,26 2 8/100 (33)	27,28 EXC 5/100 (34)	37,38 EXC 11/100 (35)	39,40 EXC 8/100 (36)	33,34 EXC 4/100 (37)	41,42 EXC 11/100 (38)	43,44 EXC 6/100 (39)	45-46 EXC 8/100 (40)
32,31 EXC 14.5/100 (21)	48,47 EXC 6/100 (22)	49,50 1 14/100 (23)	27,28 2 8/100 (24)	37,38 EXC 10/100 (25)	39,40 1 3/100 (26)	35,36 1 5/100 (27)	43-44 EXC 10/100 (28)	45,46 3 1/100 (29)	45-46 2 1/100 (30)
29,30 1 3/100 (11)	54,53 EXC 11.5/100 (12)	49,50 EXC 8/100 (13)	25,26 1 13/100 (14)	37,38 2 2/100 (15)	39,40 2 6/100 (16)	33-34 2 10/100 (17)	33,34 EXC 7/100 (18)	41,42 1 3/100 (19)	43-44 1 0/100 (20)
29,30 EXC 4/100 (1)	54,53 EXC 13/100 (2)	47,48 1 5/100 (3)	25,26 EXC 4/100 (4)	27,28 EXC 6/100 (5)	39,40 EXC 7/100 (6)	35,36 EXC 7/100 (7)	33,34 1 9/100 (8)	43,44 2 4/100 (9)	41,42 EXC 3/100 (10)

HAZWOPER CERTIFIED

STUDENT'S NAME Anthony Stone

29 CFR 1910.120 BY Art Major
DIRECTOR OF TRAINING

NRC
NATIONAL RESPONSE
CORPORATION

1205-4219

LEVEL General Site

HOURS 40 Hours

DATE 06/21/96

SS # 042-66-4219

FUSS & O'NEILL
EnviroScience, LLC

Appendix G

Fuss & O'Neill EnviroScience's Paperwork

FUSS & O'NEILL
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(860) 646-2469 Fax (860) 649-6883

Site Log

Project Number: 2007233/AIE
Project Name: Stratfield School
Work Area: Throughout
Consultant/Technician (on site): K. Girton

Date: 8/13/11
Page Number:

Time	Comments	Initials
0830	KGard Crew onsite Boxtruck to be	
	onsite Today.	
0900	Crew Continues Cleanup in Back Entrance and	
	Hallway Entrance by Bathroom Windows.	
1000	M.Myers onsite. Goes over Job Scope.	
1030	M.Myers offsite.	
1200	KGard Crew ~~[illegible]~~ Take lunch.	
1230	KGard Crew return. Boxtruck on site	
	Crew begins building Framework @ Bathroom Windows	
1300 –	Crew Continues Building Framework w/ Plywood	
1730	2'x4' strips	
1800	KGard Crew offsite	KG.

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Site Log

Project Number: 20072231/A1E
Project Name: Stratfield School
Work Area: Bathroom windows
Consultant/Technician: K. Groton
(on site)

Date: 8/20/10
Page Number: 1

Time	Comments	Initials
0630	Kirwood Crew onsite. Crew to hang Poly	
	and Finish Prep Today @ Bathroom windows.	KG
0700-	Crew Preps Containment @ Bathroom windows.	
1200		
1200	Kirwood Crew take lunch.	
1230	Kirwood Crew return. Continues prep.	
1300-	Crew Preps Containment @ Bathroom windows	KG
1500		
1530	Kirwood Crew offsite	KG

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Site Log

Project Number: 20070223/ASE
Project Name: Strathfield School
Work Area: Bathroom Windows
Consultant/Technician: K Gorton
(on site)

Date: 8/21/10
Page Number: 1

Time	Comments	Initials
0630	KGood Crew onsite. Crew to start Removal of ACM window Caulking and Brick, Concrete Sills. KG asked for Worker's Cert's. Crew does not have 40-hr OSHA Hazwoper Training. Containment was set & sealed with Mylar and Hard Barriers. Containment will be checked Periodically for Breaches throughout Project	
0700	Crew in suits, Masks, Hard Hats. Removing Window Frames, Caulking, Glazing, 4" of Brick around Openings and Concrete Sills. Removing Paint from Metal Lintels.	KG.
0800 1200	Bulk Removal of Windows, Brick, Caulking	
1200	Crew takes Lunch	KG
1230	Crew returns. Continue Removal, Start Floor Cleanup.	KG
1430	KG does Final Visual Inspection. Fails. Visual Debris Remains between Brick and Block Walls Below Concrete Sills that were removed. Crew to finish cleaning Monday 8/23/10.	
1530	KGood Crew offsite.	KG

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Site Log

Project Number: 20077731 ASE
Project Name: Strutfield School
Work Area: Exterior Windows - PCB Contaminated
Consultant/Technician: James Ruffo
(on site)

Date: 8/23/10
Page Number: 1

Time	Comments	Initials
800	Arrived on-site. Met Matt Myers (FCO) on-site. Cheney Hill will complete the cleaning ~~of the~~ after the removal of the 2 rear windows from the 1929 Bldg. These windows were located in the back of the Building and associated w/ the bathrooms of the 1st & 2nd flr. ~~The Cheney Hill~~ removed the windows under full containment and disposed of them as PCB. Once this was done they were wheeled the Metal ~~painted~~ and removed the surrounding brick. After demo was complete and Materials removed as PCB, Cheney Hill washed the area 1st w/ water, 2nd w/ Soap, water and 3rd w/ Turpentine Most of this was done the prev week. The crew is cleaning up any water that may have gotten into the containment over the weekend. There was rain over the weekend. They will also ~~wipe~~ final wipe the area w/ turpentine rags	JR

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Site Log

Project Number: 20077731.A5F
Project Name: Stratford School
Work Area: Exterior Windows - PCB Contaminated
Consultant/Technician: (on site)

Date: 8/23/10
Page Number: 2

Time	Comments	Initials
915	The crew has completed cleaning. I perform a final visual inspection of area. Area appeared clean. I did not see any visible PCB caulking.	JP
	Kevin McCarthy & I will perform final sampling for the area. For each window we will take 3 wipe samples from the Metal lintel, 3 chip samples from the top and bottom of the window (chip samples of brick), 2 chip samples of brick from both sides of the window.	
	In total there will be 6 wipe samples plus one (1) blank - 20 chip samples, 10 from each window.	
1230	Kevin & I completed sampling. I drove samples to Phoenix Lab in Manchester, CT for analysis.	JP
2pm	dropped off samples to Phoenix lab for 1 day analysis	JP

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Site Log

Project Number: _____
Project Name: Stratford School
Work Area: _____
Consultant/Technician: James Raffa
(on site)

Date: 8/26/10
Page Number: 1

Time	Comments	Initials
800	Arrived onsite. One Man from Cleary Hill on-site. He has not started the removal of the The brick from the Middle portion of the Lower Brick - The Samples for PCB's in this area failed (they were > 1.0 ppm). When I arrived the Movers had pulled away the critical on the door leading to the school and were bring furniture into the school. They were finished w/ the first tractor trailer and were bring in another one & I was able to speak w/ the G.C. (Malkin) and have them bring the furniture through another door so we could extract the door near where we were working.	JR
930	Crew has removed two More layer of Brick. The site Sup has informed me that he has washed the area ~4 times w/m water Soapy water and Turpentine. I take A chip sample of the brick.	JR
10:15	I leave job site and deliver Samples to Phoenix Lab in Manchester, CT.	JR

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PREABATEMENT CHECK LIST

PROJECT NAME:	Stratfield Elementary School	PROJECT NO.:	20072221.A1E
SITE LOCATION:	Fairfield	DATE:	8/21/10
CONTAINMENT:	Bathroom windows	MONITOR:	K. Gordon
CONTRACTOR:	Cherry Hill	SUPERVISOR:	E. Lawski

☐ Std. Containment ☐ AWP Containment ☐ Mini-Enclosure ☐ Glovebag ☒ Other: Exterior

MATERIALS & QUANTITIES TO BE ABATED

2 window systems. w/ PCB caulking and surrounding brick and concrete sills

SETUP

STEPS	ACTIVITIES	NOTES
Put copies in site notebook of:	☑ Contractor's License ☑ State Notification ☐ AWP, if applicable ☑ Training Certs ☑ Workers' Licenses ☑ Medicals ☑ Fit-Testing	Be sure all are up to date
Talk to contractor:	☐ Review work area with contractor ☑ Review scope with contractor	Get phone nos.
Check setup:	☑ Pre-cleaning completed ☑ Large objects enclosed with poly	Check taping

CONTAINMENT

Criticals in place:	☑ All doorways, windows, vents criticaled with 2 layers of 6-mil poly ☑ All openings, fixtures, etc. covered with 4 mil poly or better	Duct tape on edges
Working electrical installed:	☑ Regular power to area cut off	Lockout/Tagout
	☑ Power supplied by GFCI's or panel installed by licensed electrician	Wired to main
Area polyed:	☑ Walls covered with 2 layers of 4 mil poly and fixed to hold up well ☑ Floors covered with 2 layers of 6 mil poly to 12" up wall	All seams glued and taped
Safety ready:	☐ Fire extinguisher in place ☑ All emergency phone numbers posted ☐ Duct tape arrows on poly walls indicate exit from containment	Emergency procedures

DECON

Decon installed:	☑ Decon contiguous to work area (unless remote applied for) ☑ 3 chambers, airlocks between each ☑ Sign-in sheet in place	Must be strong, water tight
	☑ 2 layers of 6 mil poly ☑ Water filtered to 5 microns	Check strength
	☑ One shower for every 10 workers ☑ Supplied with warm water	Kept closed until bag-out
Equip. Decon:	☑ 2 chambers on rigid frame ☑ Airlocks ☑ 2 layers 6 mil	

NEGATIVE AIR

Negative Air units working:	☑ 4 air exchanges per hour ☑ Pressure differential of 0.02" w.g. ☑ Discharges to outdoors ☑ Spare units ready inside containment ☐ Smoke testing shows good flow throughout ☑ Adequate power	No. of units = Room volume/ 15/flow in CFM

POSTING & LABELING

Signs in place:	☑ OSHA warning signs posted at all approaches to work area ☑ Labels ready for waste with generator's name and address of site	Doorways posted too

PERSONAL PROTECTIVE EQUIPMENT

Respirators:	☑ Fit testing matches mask worn ☐ PAPR worn for Class I start	Observe fit checks of workers entering
Protective Clothing:	☑ Adequate supply of disposable coveralls on site ☑ Gloves and shoe covers on site if needed	

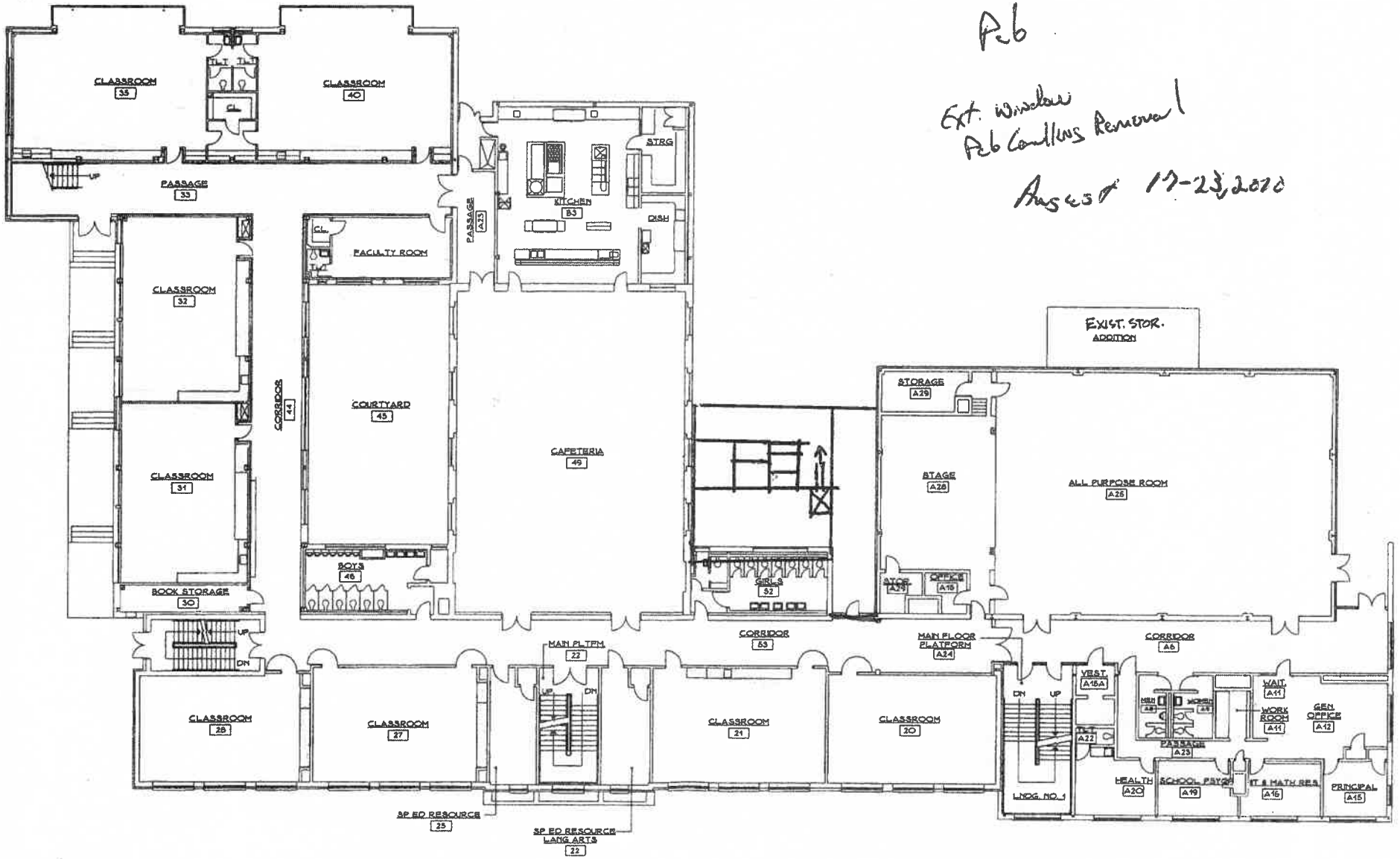
FIELD NOTES:

Exterior Abatement.
Containment as per Cherry Hill work plan

Summer Break
2010
A26

Ext. Windows
A26 Caulking Removal

August 17-23, 2010



NORTH

EXISTING OVERALL SECOND FLOOR PLAN (1 / EX2)

SCALE: 3/32" = 1'-0"

FUSS & O'NEILL
EnviroScience, LLC

Certificate of Final Visual Inspection

Asbestos Abatement

Date: 8/23/10 ☑ Removal ☐ Encapsulation ☐ Enclosure ☐ Repair ☐ Cleanup

PROJECT NAME:	Stratfield School	PROJECT NO.:	20072231.A1E
SITE LOCATION:	Fairfield	BUILDING:	
CONTAINMENT:	Bathroom Windows		☐ PASS ☐ FAIL
CONTRACTOR:	Cherry Hill		

☒ Standard Containment ☐ AWP Containment ☐ Mini-Enclosure ☐ Glovebag ☐ None

MATERIALS REMOVED

1. Window Systems	QTY:	2	2. Concrete Sills	QTY:	24 SF
3. Brick	QTY:	40 SF	4.	QTY:	
5.	QTY:		6.	QTY:	
7.	QTY:		8.	QTY:	
9.	QTY:		10.	QTY:	

SUSPECT MATERIALS REMAINING IN CONTAINMENT NOT SPECIFIED FOR REMOVAL

1.	QTY:		2.	QTY:	
3.	QTY:		4.	QTY:	

SURFACES INSPECTED

Instructions: Check surfaces that pass. Circle surfaces that fail. Strike through N/A.

☑ Floor	☑ Horizontal Surfaces	☐ Pipes	☑ Mechanical Equipment
☑ Duct Work	☑ Vertical Surfaces	☑ Decon Unit	☑ Contractor's Equipment
☑ Fixtures	☑ Enclosed Items	☐ Other:	

FIELD NOTES

Exterior Containment as per Cherry Hill Work Plan
Confirmatory Clip and Wipe Samples per
40 CFR 761.61(a)(6)(i) Subpart P and Subpart O

AIR CLEARANCE:	☐ PCM	☐ TEM	☒ None performed

CERTIFICATION

I certify that this containment was inspected by me this day.

EnviroScience Inspector: J. Raffin _____
PRINTED SIGNATURE

I have read and understand these results.

Contractor's Supervisor: E. Lawski _____
PRINTED SIGNATURE

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WORKER SIGN-IN LOG

Project Name: Stratfield School Date: 6/12/12

Project No. 20072231 A1E Work Area: Bathroom windows

Worker's Name	Signature	Social Security No.
1. Hubert Sekscinski	Hubert Sekscinski	4318
2. SUDNIK WIESTIA	[illegible]	7121
3. GROCHAL JERZY	[illegible]	4875
4. LAWSKI EDWARD	[illegible]	3267
5. SOBOTKA WIESLAW	W Sobotka	2922
6. IVAN DREBOT	[illegible]	7493
7. ZIELINSKI JACEK	[illegible]	6040
8. NATKANIEC MIROSLAW	Nat	8729
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20. K. Groton	[illegible]	0358

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WORKER SIGN-IN LOG

Project Name: Stratfield School Date: 6/20/13

Project No. 20022231.A1E Work Area: Bathroom Windows

Worker's Name	Signature	Social Security No.
1. Hubert Selwanski	Hubert Selwanski	4318
2. SWONIK WIESTAW		7121
3. GROCHOWA JERZY		4875
4. CAWSKI EDWARD		3267
5. SOBOTKA WIESLAW		2922
6. ZIELINSKI JACEK		6040
7. WATKANIEC MIROSLAW		8729
8. IVAN DREBOT		7495
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20. K. Gruba		0358

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WORKER SIGN-IN LOG

Project Name: Stoutfield School Date: 6/21/12

Project No. 20092231.A1E Work Area: Bathroom Windows

Worker's Name	Signature	Social Security No.
1. Hubert Sekowski	Hubert Sekowski	4318
✓2. SODNIK WIESŁAW	[signature]	7121
3. GROCHMAL JERZY	[signature]	4875
✓4. LAWSKI EDWARD	[signature]	3267
5. SOBOTKA WIESŁAW	[signature]	2922
6. ZIELINSKI JACEK	[signature]	6046
7. NATKANIEC MIROSŁAW	[signature]	8729
8. IVAN DREBOT	[signature]	7493
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19.		
20. K. Gurtan	[signature]	2354

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